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**Food Safety and Standards Authority of India**  
(A statutory Authority established under the Food Safety and Standards Act, 2006)  
(Quality Assurance Division)  
**FDA Bhawan, Kotla Road, New Delhi - 110002**

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Dated, the <sup>18<sup>th</sup></sup> April, 2016

**ORDER**

This is reference to the order dated 12-04-2016 regarding revised testing charges of different food products. Parameters complied from the regulations are attached along with. These parameters have been compiled from the existing regulations only. These consolidated parameters are dynamic in nature and will be updated regularly on the basis of new regulations being notified.

2. Any errors observed should be communicated to FSSAI and will be resolved accordingly.

Encl: as above

*sd/-*  
(Dr. Sandhya Kabra)  
Director (QA)

**Volume-1**

**Dairy Products and  
Analogues**

## TEST PARAMETERS FOR DAIRY PRODUCTS AND ANALOGUES

In case the product contains any permitted additives as per Appendix A, the testing for the additive is also required to be carried out in addition to the prescribed parameters.

Test methods described in the manuals as amended and adopted by FSSAI from time to time shall only be used for analyzing the samples of Food Articles.

Std. Nos.	Categories	Parameters
<b>2.1</b>	<b>DAIRY PRODUCTS AND ANALOGUES</b>	
<b>2.1.1</b>	<b>Milk</b>	<b>General Parameters</b>
		Sample shall be free from any filthy, putrid, rotten, decomposed or diseased animal substance or vegetable substance, any colouring matter or preservatives, worms, weevils or insects
		Test for Urea
		Test for added starch
		Test for cane sugar
		Test for detergents
		Test for neutralizers
		Test for added preservatives Test for added preservatives (SO <sub>2</sub> , Benzoic acid and its sodium and potassium salt, Sorbic Acid, Sodium, Potassium and Calcium sorbates expressed as sorbic acid
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Beta carotene, Carotene(Natural extract), Annatto extract (Bixin), Beta apo-8 carotenol, Methyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours(Plain), Caramel colours(Ammonium Sulphite process)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		Phosphatase Test for all pasteurized products
		Test for Antioxidants (BHA, TBHQ)
		Test for Non Nutritive Sweetener
		a. Steviol Glycoside
		<b>Quality Parameters</b>
		<b>Buffalo Milk (Raw, Pasteurized, Boiled, Flavoured, Sterlized)</b>
		Milk fat
		Milk solids not fat
		<b>Cow Milk (Raw, Pasteurized, Boiled, Flavoured, Sterlized)</b>
		Milk fat
		Milk solids not fat
		<b>Goat or Sheep Milk (Raw, Pasteurized, Boiled, Flavoured,</b>

Std. Nos.	Categories	Parameters
		<b>Sterlized)</b>
		% Milk fat
		Milk solids not fat
		<b>Mixed Milk (Raw, Pasteurized, Boiled, Flavoured, Sterlized)</b>
		Milk fat
		Milk solids not fat
		<b>Standardized milk(Pasteurized, Flavoured, Sterlized)</b>
		Milk fat
		Milk solids not fat
		<b>Recombined Milk ( Pasteurized, Flavoured, Sterlized)</b>
		Milk fat
		Milk solids not fat
		<b>Toned Milk ( Pasteurized, Flavoured, Sterlized)</b>
		Milk fat
		Milk solids not fat
		<b>Double Toned milk ( Pasteurized, Flavoured, Sterlized)</b>
		Milk fat
		Milk solids not fat
		<b>Skimmed Milk (Raw, Pasteurized, Boiled, Flavoured, Sterlized)</b>
		Milk fat
		Milk solids not fat
		<b>Full Cream Milk (Pasteurized, Sterlized)</b>
		Milk fat
		Milk solids not fat
		<b>Microbiological Parameters</b>
		<b>For Pasteurized milk/ Pasteurised Flavoured milk</b>
		Total Plate Count
		Coliform count
		<i>E.coli</i>
		<i>Salmonella spp.</i>
		<i>S. aureus</i>
		<i>Listeria monocytogenes</i>
		<b>For Sterilized and UHT Milk and Sterilized Flavoured Milk</b>
		Total Plate Count
		Aerobic spore count ( <i>B. cereus</i> )
		Anaerobic spore count ( <i>Clostridium perfringes</i> )
		<b>Metal Contaminants</b>
		Arsenic
		Cadmium
		Mercury
		Methyl Mercury calculated as the element

Std. Nos.	Categories	Parameters
		Tin
		Zinc
		Lead
		Copper
		<b>Contaminants</b>
		Aflatoxin M <sub>1</sub>
		<b>Other Contaminants</b>
		Melamine
		<b>Pesticides</b>
		Aldrin, dieldrin (the limits apply to aldrin and dieldrin singly or in any combination and are expressed as dieldrin)
		Chlordane (residue to be measured as cis plus trans chlordane)
		D.D.T. (The limits apply to D.D.T., D.D.D. and D.D.E. singly or in any combination)
		Fenitrothion
		Heptachlor (combined residues of heptachlor and its epoxide to be determined and expressed as Heptachlor)
		Hexachlorocyclohexane and its Isomers
		(a) Alfa ( $\alpha$ ) Isomer:
		(b) Beta ( $\beta$ ) Isomer :
		(c) Gamma ( $\gamma$ ) Isomer (Known as Lindane)
		(d) Delta ( $\delta$ ) Isomer
		Chlorienvinphos (Residues to be measured as alpha and beta isomers of Chlorienvinphos)
		Chlorpyrifos
		2,4D
		Ethion (Residues to be determined as ethion and its oxygen analogue and expressed as ethion)
		Monocrotophos
		Carbendazim
		Benomyl
		Carbofuran (sum of carbofuran and 3-hydroxy carbofuran expressed as carbofuran)
		Cypermethrin (sum of isomers) (fat soluble residue)
		Edifenphos
		Fenthion (sum of fenthion, its oxygen analogue and their sulphoxides and sulphones expressed as fenthion)
		Fenvalerate (fat soluble residue)
		Phenthoate
		Phorate (sum of Phorate, its oxygen analogue and their sulphoxides and sulphones, expressed as phorate)

Std. Nos.	Categories	Parameters
		Pirimiphos-methyl
<b>2.1.2</b>	<b>CREAM</b>	
<b>2.1.2.1</b>	<b>Cream including sterilised cream</b>	<b>General Parameters</b>
		Cream means the product of cow and buffalo milk or a combination thereof.
		Sample shall be free from any filthy, putrid, rotten, decomposed or diseased animal substance or vegetable substance, any colouring matter or preservatives, worms, weevils or insects
		Test for added starch
		Test for cane sugar
		Test for added preservatives (SO <sub>2</sub> , Benzoic acid and its sodium and potassium salt, Sorbic Acid, Sodium Potassium and Calcium sorbates expressed as sorbic acid)
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Beta carotene, Carotene(Natural extract), Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours(Plain), Caramel colours(Ammonium Sulphite process)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		Test for Antioxidants (BHA, TBHQ)
		Phosphotase Test for all pasteurized products
		<b>Quality Parameters</b>
		<b>Low fat cream</b>
		Milk fat
		<b>Medium fat cream</b>
		Milk fat
		<b>High fat cream</b>
		Milk fat
		<b>Microbiological Parameters</b>
		<b>For Pasteurized cream</b>
		Total Plate Count
		Coliform count
		<i>E.coli</i>
		<i>Salmonella</i> spp.
		<i>S. aureus</i>
		<i>Listeria monocytogenes</i>
		<b>For Sterilized Cream</b>

Std. Nos.	Categories	Parameters
		Total Plate Count
		Aerobic spore count ( <i>B. cereus</i> )
		Anaerobic spore count ( <i>Clostridium perfringens</i> )
		<b>Metal Contaminants</b>
		Arsenic
		Cadmium
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Zinc
		Lead
		Copper
		<b>Other Contaminants</b>
		Melamine
		<b>Pesticides</b>
		Aldrin, dieldrin (the limits apply to aldrin and dieldrin singly or in any combination and are expressed as dieldrin)
		Chlordane (residue to be measured as cis plus trans chlordane)
		D.D.T. (The limits apply to D.D.T., D.D.D. and D.D.E. singly or in any combination)
		Fenitrothion
		Heptachlor (combined residues of heptachlor and its epoxide to be determined and expressed as Heptachlor)
		Hexachlorocyclohexane and its Isomers
		(c) Gamma ( $\gamma$ ) Isomer (Known as Lindane)
		Chlorienvinphos (Residues to be measured as alpha and beta isomers of Chlorienvinphos)
		Chlorpyrifos
		2,4D
		Ethion (Residues to be determined as ethion and its oxygen analogue and expressed as ethion)
		Monocrotophos
		Carbendazim
		Benomyl
		Carbofuran (sum of carbofuran and 3-hydroxy carbofuran expressed as carbofuran)
		Cypermethrin (sum of isomers) (fat soluble residue)
		Edifenphos
		Fenthion (sum of fenthion, its oxygen analogue and their sulphoxides and sulphones expressed as fenthion)
		Fenvalerate (fat soluble residue)

Std. Nos.	Categories	Parameters
		Phenthoate
		Phorate (sum of Phorate, its oxygenanalogue and theirsulphoxides and sulphones,expressed as phorate)
		Pirimiphos-methyl
<b>2.1.2.2</b>	<b>Cream Powder</b>	<b>General Parameters</b>
		Cream powder means the procduct obtained by partial removal of water from cream obtained from milk of cow and/or buffalo.
		Sample shall be free from any filthy, putrid, rotten, decomposed or diseased animal substance or vegetable substance, any colouring matter or preservatives, worms, weevils or insects
		Test for rancidity
		Test for added starch
		Test for cane sugar
		Test for mineral oil, vegetable oil/fat
		Test for added preservatives SO <sub>2</sub> , Benzoic acid and its sodium and potassium salt, Sorbic Acid, Sodium Potassium and Calcium sorbates expressed as sorbic acid)
		Test for added Natural colours (Curcumin, Riboflavin,Chlorophyll, Beta carotene, Carotene(Natural extract),Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours(Plain), Caramel colours(Ammonium Sulphite process)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		Test for for antioxidants: BHA
		Test for Antioxidants :TBHQ
		<b>Quality Parameters</b>
		Moisture
		Milk fat
		Milk protein in milk solid not fat
		<b>Microbiological Parameters</b>
		Total plate count
		Coliform count
		<i>E.coli</i>
		<i>Salmonella spp</i>
		<i>S. aureus</i>
		Aerobic spore count ( <i>B. cereus</i> )
		Anaerobic spore count ( <i>Clostridium perfringes</i> )
		<i>Listeria monocytogenes</i>
		<b>Metal Contaminants</b>

Std. Nos.	Categories	Parameters
		Arsenic
		Cadmium
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Zinc
		Lead
		Copper
		<b>Other Contaminants</b>
		Melamine
		<b>Pesticides</b>
		Aldrin, dieldrin (the limits apply to aldrin and dieldrin singly or in any combination and are expressed as dieldrin)
		Chlordane (residue to be measured as cis plus trans chlordane)
		D.D.T. (The limits apply to D.D.T., D.D.D. and D.D.E. singly or in any combination)
		Fenitrothion
		Heptachlor (combined residues of heptachlor and its epoxide to be determined and expressed as Heptachlor)
		Hexachlorocyclohexane and its Isomers
		(c) Gamma ( $\gamma$ ) Isomer (Known as Lindane)
		Chlorienvinphos (Residues to be measured as alpha and beta isomers of Chlorienvinphos)
		Chlorpyrifos
		2,4D
		Ethion (Residues to be determined as ethion and its oxygen analogue and expressed as ethion)
		Monocrotophos
		Carbendazim
		Benomyl
		Carbofuran (sum of carbofuran and 3-hydroxy carbofuran expressed as carbofuran)
		Cypermethrin (sum of isomers) (fat soluble residue)
		Edifenphos
		Fenthion (sum of fenthion, its oxygen analogue and their sulphoxides and sulphones expressed as fenthion)
		Fenvalerate (fat soluble residue)
		Phenthoate
		Phorate (sum of Phorate, its oxygen analogue and their sulphoxides and sulphones, expressed as phorate)
		Pirimiphos-methyl

Std. Nos.	Categories	Parameters
<b>2.1.3</b>	<b>MALAI</b>	<b>General Parameters</b>
		Malai means the product rich in butter fat prepared by boiling & cooling cow & buffalo milk or a combination thereof.
		Sample shall be free from any filthy, putrid, rotten, decomposed or diseased animal substance or vegetable substance, any colouring matter or preservatives, worms, weevils or insects
		Test for added starch
		Test for cane sugar
		Test for mineral oil/ vegetable fat/oil
		Test for added preservatives (SO <sub>2</sub> , Benzoic acid and its sodium and potassium salt, Sorbic Acid, Sodium Potassium and Calcium sorbates expressed as sorbic acid)
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Beta carotene, Carotene(Natural extract), Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours(Plain), Caramel colours(Ammonium Sulphite process)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		Test for antioxidants (BHA, TBHQ)
		<b>Quality Parameters</b>
		Milk fat
		<b>Metal Contaminants</b>
		Arsenic
		Cadmium
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Zinc
		Lead
		Copper
		<b>Other Contaminants</b>
		Melamine
		<b>Pesticides</b>
		Aldrin, dieldrin (the limits apply to aldrin and dieldrin singly or in any combination and are expressed as dieldrin)
		Chlordane (residue to be measured as cis plus trans chlordane)
		D.D.T. (The limits apply to D.D.T., D.D.D. and

Std. Nos.	Categories	Parameters
		D.D.E. singly or in any combination)
		Fenitrothion
		Heptachlor (combined residues of heptachlor and its epoxide to be determined and expressed as Heptachlor)
		Hexachlorocycle hexane and its Isomers
		© Gamma ( $\gamma$ ) Isomer (Known as Lindane)
		Chlorienvinphos(Residues to be measured as alpha and beta isomers of Chlorienvinphos)
		Chlorpyrifos
		2,4D
		Ethion (Residues to be determined as ethion and its oxygen analogue and expressed as ethion)
		Monocrotophos
		Carbendazim
		Benomyl
		Carbofuran (sum of carbofuran and 3-hydroxy carbofuran expressed as carbofuran)
		Cypermethrin (sum of isomers) (fat soluble residue)
		Edifenphos
		Fenthion (sum of fenthion, its oxygen analogue and their sulphoxides and sulphones expressed as fenthion)
		Fenvalerate (fat soluble residue)
		Phenthoate
		Phorate (sum of Phorate, its oxygen analogue and their sulphoxides and sulphones, expressed as phorate)
		Pirimiphos-methyl
<b>2.1.4</b>	<b>DAHI OR CURD</b>	<b>General Parameters</b>
		Dahi or curd means the product obtained from pasteurized or boiled milk by souring, natural or otherwise, by a harmless lactic acid culture or other harmless bacterial culture may also be used in conjunction with lactic acid bacteria for souring. It may contain cane sugar.
		Sample shall be free from any filthy, putrid, rotten, decomposed or diseased animal substance or vegetable substance, any colouring matter or preservatives, worms, weevils or insects
		Test for added starch
		Test for added preservatives SO <sub>2</sub> , Benzoic acid and its sodium and potassium salt, Sorbic Acid, Sodium Potassium and Calcium sorbates expressed as sorbic acid
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll,

Std. Nos.	Categories	Parameters
		Beta carotene, Carotene(Natural extract),Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours(Plain), Caramel colours(Ammonium Sulphite process)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		Test for antioxidants (BHA, TBHQ)
		<b>Quality Parameters</b>
		Milk fat
		<b>Microbiological Parameters</b>
		Coliform count
		<i>E.coli</i>
		<i>Salmonella spp</i>
		<i>S. aureus</i>
		Yeast & mould count
		<i>Listeria monocytogenes</i>
		<b>Metal Contaminants</b>
		Arsenic
		Cadmium
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Zinc
		Lead
		Copper
		<b>Other Contaminants</b>
		Melamine
		<b>Pesticides</b>
		Aldrin, dieldrin (the limits apply to aldrin and dieldrin singly or in any combination and are expressed as dieldrin)
		Chlordane (residue to be measured as cis plus trans chlordane)
		D.D.T. (The limits apply to D.D.T., D.D.D. and D.D.E. singly or in any combination)
		Fenitrothion
		Heptachlor (combined residues of heptachlor and its epoxide to be determined and expressed as Heptachlor)
		Hexachlorocycle hexane and its Isomers
		(c) Gamma ( $\gamma$ ) Isomer (Known as Lindane)
		Chlorienvinphos(Residues to be measured as alpha and beta isomers of Chlorienvinphos)

Std. Nos.	Categories	Parameters
		Chlorpyrifos
		2,4D
		Ethion (Residues to be determined as ethion and its oxygen analogue and expressed as ethion)
		Monocrotophos
		Carbendazim
		Benomyl
		Carbofuran (sum of carbofuran and 3-hydroxy carbofuran expressed as carbofuran)
		Cypermethrin (sum of isomers) (fat soluble residue)
		Edifenphos
		Fenthion (sum of fenthion, its oxygen analogue and their sulphoxides and sulphones expressed as fenthion)
		Fenvalerate (fat soluble residue)
		Phenthoate
		Phorate (sum of Phorate, its oxygen analogue and their sulphoxides and sulphones, expressed as phorate)
		Pirimiphos-methyl
<b>2.1.5</b>	<b>CHHENA OR PANEER</b>	<b>General Parameters</b>
		Chhena or paneer means the product obtained from the cow and buffalo milk or a combination thereof by precipitation with sour milk lactic acid or citric acid
		Sample shall be free from any filthy, putrid, rotten, decomposed or diseased animal substance or vegetable substance, any colouring matter, worms, weevils or insects
		Test for added starch
		Test for cane sugar
		Test for added preservatives (SO <sub>2</sub> , Benzoic acid and its sodium and potassium salt)
		Test for Sorbic Acid, Sodium Potassium and Calcium sorbates expressed as sorbic acid
		Nisin
		Propionic acid, Sodium and Calcium propionate expressed as propionic acid singly or in combination
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Beta carotene, Carotene (Natural extract), Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours (Plain), Caramel colours (Ammonium Sulphite process))

Std. Nos.	Categories	Parameters
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		Test for antioxidants (BHA, TBHQ)
		<b>Quality Parameters</b>
		Moisture
		Milk fat
		Moisture if low fat paneer or chhana
		Milk fat if low fat paneer or chhana
		<b>Microbiological Parameters</b>
		Total plate count
		Coliform count
		<i>E.coli</i>
		<i>Salmonella spp</i>
		<i>S. aureus</i>
		Yeast & mould count
		<i>Listeria monocytogenes</i>
		<b>Metal Contaminants</b>
		Arsenic
		Cadmium
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Zinc
		Lead
		Copper
		<b>Other Contaminants</b>
		Melamine
		<b>Pesticides</b>
		Aldrin, dieldrin (the limits apply to aldrin and dieldrin singly or in any combination and are expressed as dieldrin)
		Chlordane (residue to be measured as cis plus trans chlordane)
		D.D.T. (The limits apply to D.D.T., D.D.D. and D.D.E. singly or in any combination)
		Fenitrothion
		Heptachlor (combined residues of heptachlor and its epoxide to be determined and expressed as Heptachlor)
		Hexachlorocyclohexane and its Isomers
		© Gamma ( $\gamma$ ) Isomer (Known as Lindane)
		Chlorienvinphos (Residues to be measured as alpha and beta isomers of Chlorienvinphos)

Std. Nos.	Categories	Parameters
		Chlorpyrifos
		2,4D
		Ethion (Residues to be determined as ethion and its oxygen analogue and expressed as ethion)
		Monocrotophos
		Carbendazim
		Benomyl
		Carbofuran (sum of carbofuran and 3-hydroxy carbofuran expressed as carbofuran)
		Cypermethrin (sum of isomers) (fat soluble residue)
		Edifenphos
		Fenthion (sum of fenthion, its oxygen analogue and their sulphoxides and sulphones expressed as fenthion)
		Fenvalerate (fat soluble residue)
		Phenthoate
		Phorate (sum of Phorate, its oxygen analogue and their sulphoxides and sulphones, expressed as phorate)
		Pirimiphos-methyl
<b>2.1.6</b>	<b>CHEESE</b>	
<b>2.1.6.1</b>	<b>Cheese</b>	<b>General Parameters</b>
		Cheese means the ripened or unripened soft or semihard, hard and extra hard product, which may be coated with food grade waxes or polyfilm, and in which the whey protein / casein ratio does not exceed that of milk. Cheese is obtained by coagulating wholly or partly milk and/ or products obtained from milk through the action of nonanimal rennet or other suitable coagulating agents and by partially draining the whey resulting from such coagulation and/ or processing techniques involving coagulation of milk and/ or products obtained from milk which give a final product with similar physical, chemical and organoleptic characteristics. The product may contain starter cultures of harmless lactic acid and / or flavour producing bacteria and cultures of other harmless microorganisms, safe and suitable enzymes and sodium chloride.
		Sample shall be free from any filthy, putrid, rotten, decomposed or diseased animal substance or vegetable substance, worms, weevils or insects
		Test for added starch
		Test for added preservatives (SO <sub>2</sub> , Benzoic acid)
		Test for Sorbic Acid, Sodium Potassium and Calcium sorbates expressed as sorbic acid

Std. Nos.	Categories	Parameters
		Nisin
		Propionic acid, Sodium and Calcium propionate expressed as propionic acid singly or in combination
		Pimaricin(natamycin)
		Test for Natural Colours (Singly or in combination)
		a. Curcumin
		b. Riboflavin
		c. Chlorophyll
		d. Beta carotene
		e. Carotene(Natural extract)
		f. Annatto extract on Bixin/Nor bixin basis(50:50 ratio)
		g. Beta apo-8 carotenal
		h. Methyl ester of Beta apo-8 carotenoic acid
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		<b>Quality Parameters</b>
		1. Hard Pressed Cheese
		Moisture
		Milk fat on dry basis
		2. Semi Hard Cheese
		Moisture
		Milk fat on dry basis
		3. Semi Soft Cheese
		Moisture
		Milk fat on dry basis
		4. Soft Cheese
		Moisture
		Milk fat on dry basis
		5. Extra Hard Cheese
		Moisture
		Milk fat on dry basis
		6. Mozzarella Cheese
		Moisture
		Milk fat on dry basis
		7. Pizza Cheese
		Moisture
		Milk fat on dry basis
		<b>Microbiological Parameters</b>
		Coliform count
		<i>E.coli</i>

Std. Nos.	Categories	Parameters
		<i>Salmonella spp</i>
		<i>S. aureus</i>
		Yeast & mould count
		Anaerobic spore count ( <i>Clostridium perfringes</i> )
		<i>Listeria monocytogenes</i>
		<b>Metal Contaminants</b>
		Arsenic
		Cadmium
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Zinc
		Lead
		Copper
		<b>Other Contaminants</b>
		Melamine
		<b>Pesticides</b>
		Aldrin, dieldrin (the limits apply to aldrin and dieldrin singly or in any combination and are expressed as dieldrin)
		Chlordane (residue to be measured as cis plus trans chlordane)
		D.D.T. (The limits apply to D.D.T., D.D.D. and D.D.E. singly or in any combination)
		Fenitrothion
		Heptachlor (combined residues of heptachlor and its epoxide to be determined and expressed as Heptachlor)
		Hexachlorocycle hexane and its Isomers
		(c) Gamma ( $\gamma$ ) Isomer (Known as Lindane)
		Chlorienvinphos(Residues to be measured as alpha and beta isomers of Chlorienvinphos)
		Chlorpyrifos
		2,4D
		Ethion (Residues to be determined as ethion and its oxygen analogue and expressed as ethion)
		Monocrotophos
		Carbendazim
		Benomyl
		Carbofuran (sum of carbofuran and 3-hydroxy carbofuran expressed as carbofuran)
		Cypermethrin (sum of isomers) (fat soluble residue)
		Edifenphos
		Fenthion (sum of fenthion, its oxygen analogue and their sulphoxides)

Std. Nos.	Categories	Parameters
		and sulphones expressed as fenthion)
		Fenvalerate (fat soluble residue)
		Phenthoate
		Phorate (sum of Phorate, its oxygenanalogue and theirsulphoxides and sulphones,expressed as phorate)
		Pirimiphos-methyl
<b>2.1.6.2</b>	<b>Processed Cheese</b>	<b>General Parameters</b>
		Processed Cheese means the product obtained by grinding, mixing, melting and emulsifying one or more varieties of cheeses with the aid of heat and emulsifying agents
		Sample shall be free from any filthy, putrid, rotten, decomposed or diseased animal substance or vegetable substance, worms, weevils or insects
		Test for rancidity
		Test for added starch
		Test for added preservatives (SO <sub>2</sub> , Benzoic acid)
		Test for Sorbic Acid,Sodium Potassium and Calcium sorbates expressed as sorbic acid
		Nisin
		Propionic acid, Sodium and Calcim propionate expressed as propionic acid singly or in combination
		Pimaricin(natamycin)
		Test for Natural Colours (Singly or in combination)
		a. Curcumin
		b. Riboflavin
		c. Chlorophyll
		d. Beta carotene
		e. Carotene(Natural extract)
		f. Annatto extract on Bixin/Nor bixin basis(50:50 ratio)
		Test for added synthetic colour
		Test for Antioxidants (BHA, TBHQ)
		<b>Quality Parameters</b>
		Moisture
		Moisture if processed cheese chiplets (packed sliced cheese) is sold in a package other than tin
		Milk fat on dry basis
		Lactose content
		<b>Microbiological Parameters</b>
		Total plate count

Std. Nos.	Categories	Parameters
		Coliform count
		<i>E.coli</i>
		<i>Salmonella spp</i>
		<i>S. aureus</i>
		Yeast & mould count
		Anaerobic spore count ( <i>Clostridium perfringes</i> )
		<i>Listeria monocytogenes</i>
		<b>Metal Contaminants</b>
		Arsenic
		Cadmium
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Zinc
		Lead
		Copper
		<b>Other Contaminants</b>
		Melamine
		<b>Pesticides</b>
		Aldrin, dieldrin (the limits apply to aldrin and dieldrin singly or in any combination and are expressed as dieldrin)
		Chlordane (residue to be measured as cis plus trans chlordane)
		D.D.T. (The limits apply to D.D.T., D.D.D. and D.D.E. singly or in any combination)
		Fenitrothion
		Heptachlor (combined residues of heptachlor and its epoxide to be determined and expressed as Heptachlor)
		Hexachlorocycle hexane and its Isomers
		(c) Gamma ( $\gamma$ ) Isomer (Known as Lindane)
		Chlorienvinphos(Residues to be measured as alpha and beta isomers of Chlorienvinphos)
		Chlorpyrifos
		2,4D
		Ethion (Residues to be determined as ethion and its oxygen analogue and expressed as ethion)
		Monocrotophos
		Carbendazim
		Benomyl
		Carbofuran (sum of carbofuran and 3-hydroxy carbofuran expressed as carbofuran)
		Cypermethrin (sum of isomers) (fat soluble residue)

Std. Nos.	Categories	Parameters
		Edifenphos
		Fenthion (sum of fenthion, its oxygen analogue and their sulphoxides and sulphones expressed as fenthion)
		Fenvalerate (fat soluble residue)
		Phenthoate
		Phorate (sum of Phorate, its oxygenanalogue and theirsulphoxides and sulphones,expressed as phorate)
		Pirimiphos-methyl
<b>2.1.6.3</b>	<b>Processed Cheese Spread</b>	<b>General Parameters</b>
		Processed Cheese Spread means the product obtained by grinding, mixing, melting and emulsifying one or more varieties of cheese with emulsifying agents with the aid of heat.
		Sample shall be free from any filthy, putrid, rotten, decomposed or diseased animal substance or vegetable substance, worms, weevils or insects
		Test for added starch
		Test for added preservatives (SO <sub>2</sub> , Benzoic acid)
		Test for Sorbic Acid,Sodium Potassium and Calcium sorbates expressed as sorbic acid
		Nisin
		Propionic acid, Sodium and Calcim propionate expressed as propionic acid singly or in combinaion
		Pimaricin(natamycin)
		Test for Natural Colours (Singly or in combination)
		a. Curcumin
		b. Riboflavin
		c. Chlorophyll
		d. Beta carotene
		e. Carotene(Natural extract)
		f. Annatto extract on Bixin/Nor bixin basis(50:50 ratio)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		Test for Antioxidants (BHA, TBHQ)
		<b>Quality Parameters</b>
		Moisture
		Milk fat on dry basis
		Lactose content
		<b>Microbiological Parameters</b>
		Total plate count

Std. Nos.	Categories	Parameters
		Coliform count
		<i>E.coli</i>
		<i>Salmonella spp</i>
		<i>S. aureus</i>
		Yeast & mould count
		Anaerobic spore count ( <i>Clostridium perfringes</i> )
		<i>Listeria monocytogenes</i>
		<b>Metal Contaminants</b>
		Arsenic
		Cadmium
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Zinc
		Lead
		Copper
		<b>Other Contaminants</b>
		Melamine
		<b>Pesticides</b>
		Aldrin, dieldrin (the limits apply to aldrin and dieldrin singly or in any combination and are expressed as dieldrin)
		Chlordane (residue to be measured as cis plus trans chlordane)
		D.D.T. (The limits apply to D.D.T., D.D.D. and D.D.E. singly or in any combination)
		Fenitrothion
		Heptachlor (combined residues of heptachlor and its epoxide to be determined and expressed as Heptachlor)
		Hexachlorocycle hexane and its Isomers
		(c) Gamma ( $\gamma$ ) Isomer (Known as Lindane)
		Chlorienvinphos(Residues to be measured as alpha and beta isomers of Chlorienvinphos)
		Chlorpyrifos
		2,4D
		Ethion (Residues to be determined as ethion and its oxygen analogue and expressed as ethion)
		Monocrotophos
		Carbendazim
		Benomyl
		Carbofuran (sum of carbofuran and 3-hydroxy carbofuran expressed as carbofuran)
		Cypermethrin (sum of isomers) (fat soluble residue)

Std. Nos.	Categories	Parameters
		Edifenphos
		Fenthion (sum of fenthion, its oxygen analogue and their sulphoxides and sulphones expressed as fenthion)
		Fenvalerate (fat soluble residue)
		Phenthoate
		Phorate (sum of Phorate, its oxygenanalogue and theirsulphoxides and sulphones,expressed as phorate)
		Pirimiphos-methyl
<b>2.1.6.4</b>	<b>Cheddar Cheese</b>	<b>General Parameters</b>
		Cheddar Cheese means ripened hard cheese obtained by coagulating heated/pasteurised milk of Cow and/ or Buffalo or mixtures thereof with cultures of harmless lactic acid producing bacteria, non-animal rennet or other suitable coagulating enzymes.
		Sample shall be free from any filthy, putrid, rotten, decomposed or diseased animal substance or vegetable substance, worms, weevils or insects
		Test for added starch
		Test for added preservatives (SO <sub>2</sub> , Benzoic acid)
		Test for Sorbic Acid,Sodium Potassium and Calcium sorbates expressed as sorbic acid
		Test for added Natural colours (Curcumin, Riboflavin,Chlorophyll, Beta carotene, Carotene(Natural extract),Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours(Plain), Caramel colours(Ammonium Sulphite process)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		Test for antioxidants (BHA, TBHQ)
		Enzymes from GMOs
		<b>Quality Parameters</b>
		Moisture
		Milk fat on dry basis
		<b>Microbiological Parameters</b>
		Coliform count
		<i>E.coli</i>
		<i>Salmonella spp</i>
		<i>S. aureus</i>
		Yeast & mould count
		Anaerobic spore count ( <i>Clostridium perfringes</i> )
		<i>Listeria monocytogenes</i>

Std. Nos.	Categories	Parameters
		<b>Metal Contaminants</b>
		Arsenic
		Cadmium
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Zinc
		Lead
		Copper
		<b>Other Contaminants</b>
		Melamine
		<b>Pesticides</b>
		Aldrin, dieldrin (the limits apply to aldrin and dieldrin singly or in any combination and are expressed as dieldrin)
		Chlordane (residue to be measured as cis plus trans chlordane)
		D.D.T. (The limits apply to D.D.T., D.D.D. and D.D.E. singly or in any combination)
		Fenitrothion
		Heptachlor (combined residues of heptachlor and its epoxide to be determined and expressed as Heptachlor)
		Hexachlorocyclohexane and its Isomers
		(c) Gamma ( $\gamma$ ) Isomer (Known as Lindane)
		Chlorienvinphos (Residues to be measured as alpha and beta isomers of Chlorienvinphos)
		Chlorpyrifos
		2,4D
		Ethion (Residues to be determined as ethion and its oxygen analogue and expressed as ethion)
		Monocrotophos
		Carbendazim
		Benomyl
		Carbofuran (sum of carbofuran and 3-hydroxy carbofuran expressed as carbofuran)
		Cypermethrin (sum of isomers) (fat soluble residue)
		Edifenphos
		Fenthion (sum of fenthion, its oxygen analogue and their sulphoxides and sulphones expressed as fenthion)
		Fenvalerate (fat soluble residue)
		Phenthoate
		Phorate (sum of Phorate, its oxygen analogue and their sulphoxides and sulphones, expressed as phorate)

Std. Nos.	Categories	Parameters
		Pirimiphos-methyl
<b>2.1.6.5</b>	<b>Danbo Cheese</b>	<b>General Parameters</b>
		Danbo Cheese means ripened semi hard cheese obtained by coagulating heated /pasteurised milk of cow and/ or Buffalo and mixtures thereof with cultures of harmless lactic acid producing bacteria, non-animal rennet or other suitable coagulating enzymes.
		Sample shall be free from any filthy, putrid, rotten, decomposed or diseased animal substance or vegetable substance, worms, weevils or insects
		Test for added starch
		Test for added preservatives (SO <sub>2</sub> , Benzoic acid)
		Test for Sorbic Acid, Sodium Potassium and Calcium sorbates expressed as sorbic acid
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Beta carotene, Carotene(Natural extract), Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours(Plain), Caramel colours(Ammonium Sulphite process)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		Test for antioxidants (BHA, TBHQ)
		Enzymes from GMOs
		<b>Quality Parameters</b>
		Moisture
		Milk fat on dry basis
		<b>Microbiological Parameters</b>
		Coliform count
		<i>E.coli</i>
		<i>Salmonella spp</i>
		<i>S. aureus</i>
		Yeast & mould count
		Anaerobic spore count ( <i>Clostridium perfringes</i> )
		<i>Listeria monocytogenes</i>
		<b>Metal Contaminants</b>
		Arsenic
		Cadmium
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Zinc

Std. Nos.	Categories	Parameters
		Lead
		Copper
		<b>Other Contaminants</b>
		Melamine
		<b>Pesticides</b>
		Aldrin, dieldrin (the limits apply to aldrin and dieldrin singly or in any combination and are expressed as dieldrin)
		Chlordane (residue to be measured as cis plus trans chlordane)
		D.D.T. (The limits apply to D.D.T., D.D.D. and D.D.E. singly or in any combination)
		Fenitrothion
		Heptachlor (combined residues of heptachlor and its epoxide to be determined and expressed as Heptachlor)
		Hexachlorocyclohexane and its Isomers
		(c) Gamma ( $\gamma$ ) Isomer (Known as Lindane)
		Chlorienvinphos (Residues to be measured as alpha and beta isomers of Chlorienvinphos)
		Chlorpyrifos
		2,4D
		Ethion (Residues to be determined as ethion and its oxygen analogue and expressed as ethion)
		Monocrotophos
		Carbendazim
		Benomyl
		Carbofuran (sum of carbofuran and 3-hydroxy carbofuran expressed as carbofuran)
		Cypermethrin (sum of isomers) (fat soluble residue)
		Edifenphos
		Fenthion (sum of fenthion, its oxygen analogue and their sulphoxides and sulphones expressed as fenthion)
		Fenvalerate (fat soluble residue)
		Phenthoate
		Phorate (sum of Phorate, its oxygen analogue and their sulphoxides and sulphones, expressed as phorate)
		Pirimiphos-methyl
<b>2.1.6.6</b>	<b>Edam Cheese</b>	<b>General Parameters</b>
		Edam Cheese means the ripened semi hard cheese obtained by coagulating heated / pasteurised milk of Cow and / or Buffalo or mixtures thereof with cultures of harmless lactic acid producing bacteria non-animal rennet or other suitable coagulating enzymes.

Std. Nos.	Categories	Parameters
		Sample shall be free from any filthy, putrid, rotten, decomposed or diseased animal substance or vegetable substance, worms, weevils or insects
		Test for added starch
		Test for added preservatives (SO <sub>2</sub> , Benzoic acid)
		Test for Sorbic Acid, Sodium Potassium and Calcium sorbates expressed as sorbic acid
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Beta carotene, Carotene (Natural extract), Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours (Plain), Caramel colours (Ammonium Sulphite process))
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF)
		Test for antioxidants (BHA, TBHQ)
		Enzymes from GMOs
		<b>Quality Parameters</b>
		Moisture
		Milk fat on dry basis
		<b>Microbiological Parameters</b>
		Coliform count
		<i>E. coli</i>
		<i>Salmonella spp</i>
		<i>S. aureus</i>
		Yeast & mould count
		Anaerobic spore count ( <i>Clostridium perfringens</i> )
		<i>Listeria monocytogenes</i>
		<b>Metal Contaminants</b>
		Arsenic
		Cadmium
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Zinc
		Lead
		Copper
		<b>Other Contaminants</b>
		Melamine
		<b>Pesticides</b>
		Aldrin, dieldrin (the limits apply to aldrin and dieldrin singly or in any combination and are

Std. Nos.	Categories	Parameters
		expressed as dieldrin)
		Chlordane (residue to be measured as cis plus trans chlordane)
		D.D.T. (The limits apply to D.D.T., D.D.D. and D.D.E. singly or in any combination)
		Fenitrothion
		Heptachlor (combined residues of heptachlor and its epoxide to be determined and expressed as Heptachlor)
		Hexachlorocyclohexane and its Isomers
		(c) Gamma ( $\gamma$ ) Isomer (Known as Lindane)
		Chlorienvinphos (Residues to be measured as alpha and beta isomers of Chlorienvinphos)
		Chlorpyrifos
		2,4D
		Ethion (Residues to be determined as ethion and its oxygen analogue and expressed as ethion)
		Monocrotophos
		Carbendazim
		Benomyl
		Carbofuran (sum of carbofuran and 3-hydroxy carbofuran expressed as carbofuran)
		Cypermethrin (sum of isomers) (fat soluble residue)
		Edifenphos
		Fenthion (sum of fenthion, its oxygen analogue and their sulphoxides and sulphones expressed as fenthion)
		Fenvalerate (fat soluble residue)
		Phenthoate
		Phorate (sum of Phorate, its oxygen analogue and their sulphoxides and sulphones, expressed as phorate)
		Pirimiphos-methyl
<b>2.1.6.7</b>	<b>Gouda Cheese</b>	<b>General Parameters</b>
		Gouda Cheese means ripened semi hard cheese obtained by coagulating milk of Cow and/ or Buffalo or mixtures thereof with cultures of harmless lactic acid producing bacteria non-animal / rennet or other suitable coagulating enzymes.
		Sample shall be free from any filthy, putrid, rotten, decomposed or diseased animal substance or vegetable substance, worms, weevils or insects
		Test for added starch
		Test for added preservatives (SO <sub>2</sub> , Benzoic acid)
		Test for Sorbic Acid, Sodium Potassium and Calcium sorbates expressed as sorbic acid

Std. Nos.	Categories	Parameters
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Beta carotene, Carotene(Natural extract), Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours(Plain), Caramel colours(Ammonium Sulphite process)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		Test for antioxidants (BHA, TBHQ)
		Enzymes from GMOs
		<b>Quality Parameters</b>
		Moisture
		Milk fat on dry basis
		<b>Microbiological Parameters</b>
		Coliform count
		<i>E.coli</i>
		<i>Salmonella spp</i>
		<i>S. aureus</i>
		Yeast & mould count
		Anaerobic spore count ( <i>Clostridium perfringes</i> )
		<i>Listeria monocytogenes</i>
		<b>Metal Contaminants</b>
		Arsenic
		Cadmium
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Zinc
		Lead
		Copper
		<b>Other Contaminants</b>
		Melamine
		<b>Pesticides</b>
		Aldrin, dieldrin (the limits apply to aldrin and dieldrin singly or in any combination and are expressed as dieldrin)
		Chlordane (residue to be measured as cis plus trans chlordane)
		D.D.T. (The limits apply to D.D.T., D.D.D. and D.D.E. singly or in any combination)
		Fenitrothion
		Heptachlor (combined residues of heptachlor and its epoxide to be determined and expressed as Heptachlor)

Std. Nos.	Categories	Parameters
		Hexachlorocyclohexane and its Isomers
		(c) Gamma (γ) Isomer (Known as Lindane)
		Chlorienvinphos (Residues to be measured as alpha and beta isomers of Chlorienvinphos)
		Chlorpyrifos
		2,4D
		Ethion (Residues to be determined as ethion and its oxygen analogue and expressed as ethion)
		Monocrotophos
		Carbendazim
		Benomyl
		Carbofuran (sum of carbofuran and 3-hydroxy carbofuran expressed as carbofuran)
		Cypermethrin (sum of isomers) (fat soluble residue)
		Edifenphos
		Fenthion (sum of fenthion, its oxygen analogue and their sulphoxides and sulphones expressed as fenthion)
		Fenvalerate (fat soluble residue)
		Phenthoate
		Phorate (sum of Phorate, its oxygen analogue and their sulphoxides and sulphones, expressed as phorate)
		Pirimiphos-methyl
<b>2.1.6.8</b>	<b>Havarti Cheese</b>	<b>General Parameters</b>
		Havarti Cheese means ripened semi hard cheese obtained by coagulating milk of cow and / or Buffalo or mixtures thereof with cultures of harmless lactic acid producing bacteria, non-animal rennet or other suitable coagulating enzymes.
		Sample shall be free from any filthy, putrid, rotten, decomposed or diseased animal substance or vegetable substance, worms, weevils or insects
		Test for added starch
		Test for added preservatives (SO <sub>2</sub> , Benzoic acid)
		Test for Sorbic Acid, Sodium Potassium and Calcium sorbates expressed as sorbic acid
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Beta carotene, Carotene (Natural extract), Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours (Plain), Caramel colours (Ammonium Sulphite process))
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue

Std. Nos.	Categories	Parameters
		FCF, Fast green FCF )
		Test for antioxidants (BHA, TBHQ)
		Enzymes from GMOs
		<b>Quality Parameters</b>
		<b>Havarti Cheese</b>
		Moisture
		Milk fat on dry basis
		<b>30% Havarti Cheese</b>
		Moisture
		Milk fat on dry basis
		<b>60% Havarti Cheese</b>
		Moisture
		Milk fat on dry basis
		<b>Microbiological Parameters</b>
		Coliform count
		<i>E.coli</i>
		<i>Salmonella spp</i>
		<i>S. aureus</i>
		Yeast & mould count
		Anaerobic spore count ( <i>Clostridium perfringes</i> )
		<i>Listeria monocytogenes</i>
		<b>Metal Contaminants</b>
		Arsenic
		Cadmium
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Zinc
		Lead
		Copper
		<b>Other Contaminants</b>
		Melamine
		<b>Pesticides</b>
		Aldrin, dieldrin (the limits apply to aldrin and dieldrin singly or in any combination and are expressed as dieldrin)
		Chlordane (residue to be measured as cis plus trans chlordane)
		D.D.T. (The limits apply to D.D.T., D.D.D. and D.D.E. singly or in any combination)
		Fenitrothion
		Heptachlor (combined residues of heptachlor and its epoxide to be determined and expressed as Heptachlor)

Std. Nos.	Categories	Parameters
		Hexachlorocyclohexane and its Isomers
		(c) Gamma (γ) Isomer (Known as Lindane)
		Chlorienvinphos (Residues to be measured as alpha and beta isomers of Chlorienvinphos)
		Chlorpyrifos
		2,4D
		Ethion (Residues to be determined as ethion and its oxygen analogue and expressed as ethion)
		Monocrotophos
		Carbendazim
		Benomyl
		Carbofuran (sum of carbofuran and 3-hydroxy carbofuran expressed as carbofuran)
		Cypermethrin (sum of isomers) (fat soluble residue)
		Edifenphos
		Fenthion (sum of fenthion, its oxygen analogue and their sulphoxides and sulphones expressed as fenthion)
		Fenvalerate (fat soluble residue)
		Phenthoate
		Phorate (sum of Phorate, its oxygen analogue and their sulphoxides and sulphones, expressed as phorate)
		Pirimiphos-methyl
<b>2.1.6.9</b>	<b>Tilsiter</b>	<b>General Parameters</b>
		Tilsiter means ripened semi hard cheese obtained by coagulating milk of Cow and/ or Buffalo or mixtures thereof with cultures of harmless lactic acid producing bacteria and cultures of Bacterium linens, non-animal rennet or other suitable coagulating enzymes.
		Sample shall be free from any filthy, putrid, rotten, decomposed or diseased animal substance or vegetable substance, worms, weevils or insects
		Test for added starch
		Test for added preservatives (SO <sub>2</sub> , Benzoic acid)
		Test for Sorbic Acid, Sodium Potassium and Calcium sorbates expressed as sorbic acid
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Beta carotene, Carotene (Natural extract), Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours (Plain), Caramel colours (Ammonium Sulphite process))
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue)

Std. Nos.	Categories	Parameters
		FCF, Fast green FCF )
		Test for antioxidants (BHA, TBHQ)
		Enzymes from GMOs
		<b>Quality Parameters</b>
		<b>Tilsiter</b>
		Moisture
		Milk fat on dry basis
		<b>30% Tilsiter</b>
		Moisture
		Milk fat on dry basis
		<b>60% Tilsiter</b>
		Moisture
		Milk fat on dry basis
		<b>Microbiological Parameters</b>
		Coliform count
		<i>E. coli</i>
		<i>Salmonella spp</i>
		<i>S. aureus</i>
		Yeast & mould count
		Anaerobic spore count ( <i>Clostridium perfringens</i> )
		<i>Listeria monocytogenes</i>
		<b>Metal Contaminants</b>
		Arsenic
		Cadmium
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Zinc
		Lead
		Copper
		<b>Other Contaminants</b>
		Melamine
		<b>Pesticides</b>
		Aldrin, dieldrin (the limits apply to aldrin and dieldrin singly or in any combination and are expressed as dieldrin)
		Chlordane (residue to be measured as cis plus trans chlordane)
		D.D.T. (The limits apply to D.D.T., D.D.D. and D.D.E. singly or in any combination)
		Fenitrothion
		Heptachlor (combined residues of heptachlor and its epoxide to be determined and expressed as Heptachlor)

Std. Nos.	Categories	Parameters
		Hexachlorocyclohexane and its Isomers
		(c) Gamma (γ) Isomer (Known as Lindane)
		Chlorienvinphos (Residues to be measured as alpha and beta isomers of Chlorienvinphos)
		Chlorpyrifos
		2,4D
		Ethion (Residues to be determined as ethion and its oxygen analogue and expressed as ethion)
		Monocrotophos
		Carbendazim
		Benomyl
		Carbofuran (sum of carbofuran and 3-hydroxy carbofuran expressed as carbofuran)
		Cypermethrin (sum of isomers) (fat soluble residue)
		Edifenphos
		Fenthion (sum of fenthion, its oxygen analogue and their sulphoxides and sulphones expressed as fenthion)
		Fenvalerate (fat soluble residue)
		Phenthoate
		Phorate (sum of Phorate, its oxygen analogue and their sulphoxides and sulphones, expressed as phorate)
		Pirimiphos-methyl
<b>2.1.6.10</b>	<b>Cottage Cheese and Creamed Cottage Cheese</b>	<b>General Parameters</b>
		Cottage Cheese and Creamed Cottage Cheese means soft unripened cheese obtained by coagulation of pasteurised skimmed milk of Cow and/ or Buffalo or mixtures thereof with cultures of harmless lactic acid bacteria with or without the addition of other suitable coagulating enzymes. It is cottage cheese to which a pasteurised creaming mixture of cream, skimmed milk, condensed milk, non fat dry milk, dry milk protein, Sodium/ Potassium/ Calcium/ Ammonium caseinate is added
		Sample shall be free from any filthy, putrid, rotten, decomposed or diseased animal substance or vegetable substance, worms, weevils or insects
		Test for added starch
		Test for added preservatives (SO <sub>2</sub> , Benzoic acid)
		Test for Sorbic Acid, Sodium Potassium and Calcium sorbates expressed as sorbic acid
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll,

Std. Nos.	Categories	Parameters
		Beta carotene, Carotene(Natural extract),Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours(Plain), Caramel colours(Ammonium Sulphite process)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		Test for antioxidants (BHA, TBHQ)
		Enzymes from GMOs
		<b>Quality Parameters</b>
		Moisture
		Milk fat (in Creamed cottage Cheese)
		Microbiological Parameters
		Coliform count
		E.coli
		Salmonella spp
		S. aureus
		Yeast & mould count
		Anaerobic spore count (Clostridium perfringes)
		Listeria monocytogenes
		Metal Contaminants
		Arsenic
		Cadmium
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Zinc
		Lead
		Copper
		<b>Other Contaminants</b>
		Melamine
		<b>Pesticides</b>
		Aldrin, dieldrin (the limits apply to aldrin and dieldrin singly or in any combination and are expressed as dieldrin)
		Chlordane (residue to be measured as cis plus trans chlordane)
		D.D.T. (The limits apply to D.D.T., D.D.D. and D.D.E. singly or in any combination)
		Fenitrothion
		Heptachlor (combined residues of heptachlor and its epoxide to be determined and expressed as Heptachlor)
		Hexachlorocycle hexane and its Isomers

Std. Nos.	Categories	Parameters
		(c) Gamma (γ) Isomer (Known as Lindane)
		Chlorienvinphos(Residues to be measured as alpha and beta isomers of Chlorienvinphos)
		Chlorpyrifos
		2,4D
		Ethion (Residues to be determined as ethion and its oxygen analogue and expressed as ethion)
		Monocrotophos
		Carbendazim
		Benomyl
		Carbofuran (sum of carbofuran and 3-hydroxy carbofuran expressed as carbofuran)
		Cypermethrin (sum of isomers) (fat soluble residue)
		Edifenphos
		Fenthion (sum of fenthion, its oxygen analogue and their sulphoxides and sulphones expressed as fenthion)
		Fenvalerate (fat soluble residue)
		Phenthoate
		Phorate (sum of Phorate, its oxygen analogue and their sulphoxides and sulphones, expressed as phorate)
		Pirimiphos-methyl
<b>2.1.6.11</b>	<b>Cream Cheese (Rahmfrischkase)</b>	General Parameters
		Cream Cheese (Rahmfrischkase) means soft unripened cheese obtained by coagulation of pasteurised milk of cow and / or buffalo or mixtures thereof and pasteurised cream with cultures of harmless lactic acid producing bacteria with or without the addition of suitable coagulating enzymes
		Sample shall be free from any filthy, putrid, rotten, decomposed or diseased animal substance or vegetable substance, worms, weevils or insects
		Test for added starch
		Test for added preservatives (SO <sub>2</sub> , Benzoic acid)
		Test for Sorbic Acid, Sodium Potassium and Calcium sorbates expressed as sorbic acid
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Beta carotene, Carotene (Natural extract), Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours (Plain), Caramel colours (Ammonium Sulphite process))
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine,

Std. Nos.	Categories	Parameters
		Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		Test for antioxidants (BHA, TBHQ)
		Enzymes from GMOs
		Quality Parameters
		Moisture
		Milk fat on dry basis
		Microbiological Parameters
		Coliform count
		E.coli
		Salmonella spp
		S. aureus
		Yeast & mould count
		Anaerobic spore count (Clostridium perfringes)
		Listeria monocytogenes
		Metal Contaminants
		Arsenic
		Cadmium
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Zinc
		Lead
		Copper
		<b>Other Contaminants</b>
		Melamine
		<b>Pesticides</b>
		Aldrin, dieldrin (the limits apply to aldrin and dieldrin singly or in any combination and are expressed as dieldrin)
		Chlordane (residue to be measured as cis plus trans chlordane)
		D.D.T. (The limits apply to D.D.T., D.D.D. and D.D.E. singly or in any combination)
		Fenitrothion
		Heptachlor (combined residues of heptachlor and its epoxide to be determined and expressed as Heptachlor)
		Hexachlorocycle hexane and its Isomers
		(c) Gamma (γ) Isomer (Known as Lindane)
		Chlorienvinphos (Residues to be measured as alpha and beta isomers of Chlorienvinphos)
		Chlorpyrifos
		2,4D

Std. Nos.	Categories	Parameters
		Ethion (Residues to be determined as ethion and its oxygen analogue and expressed as ethion)
		Monocrotophos
		Carbendazim
		Benomyl
		Carbofuran (sum of carbofuran and 3-hydroxy carbofuran expressed as carbofuran)
		Cypermethrin (sum of isomers) (fat soluble residue)
		Edifenphos
		Fenthion (sum of fenthion, its oxygen analogue and their sulphoxides and sulphones expressed as fenthion)
		Fenvalerate (fat soluble residue)
		Phenthoate
		Phorate (sum of Phorate, its oxygen analogue and their sulphoxides and sulphones, expressed as phorate)
		Pirimiphos-methyl
<b>2.1.6.12</b>	<b>Coulommiers Cheese</b>	<b>General Parameters</b>
		Coulommiers Cheese means soft unripened cheese obtained by coagulation of milk of cow and /or buffalo or mixtures thereof with cultures of harmless lactic acid producing bacteria and non-animal rennet or other suitable coagulating enzymes and moulds characteristic of the variety.
		Sample shall be free from any filthy, putrid, rotten, decomposed or diseased animal substance or vegetable substance, worms, weevils or insects
		Test for added starch
		Test for added preservatives (SO <sub>2</sub> , Benzoic acid)
		Test for Sorbic Acid, Sodium Potassium and Calcium sorbates expressed as sorbic acid
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Beta carotene, Carotene (Natural extract), Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours (Plain), Caramel colours (Ammonium Sulphite process))
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF)
		Test for antioxidants (BHA, TBHQ)
		Enzymes from GMOs
		<b>Quality Parameters</b>

Std. Nos.	Categories	Parameters
		Moisture
		Milk fat on dry basis
		<b>Microbiological Parameters</b>
		Coliform count
		<i>E.coli</i>
		<i>Salmonella spp</i>
		<i>S. aureus</i>
		Yeast & mould count
		Anaerobic spore count ( <i>Clostridium perfringes</i> )
		<i>Listeria monocytogenes</i>
		<b>Metal Contaminants</b>
		Arsenic
		Cadmium
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Zinc
		Lead
		Copper
		<b>Other Contaminants</b>
		Melamine
		<b>Pesticides</b>
		Aldrin, dieldrin (the limits apply to aldrin and dieldrin singly or in any combination and are expressed as dieldrin)
		Chlordane (residue to be measured as cis plus trans chlordane)
		D.D.T. (The limits apply to D.D.T., D.D.D. and D.D.E. singly or in any combination)
		Fenitrothion
		Heptachlor (combined residues of heptachlor and its epoxide to be determined and expressed as Heptachlor)
		Hexachlorocycle hexane and its Isomers
		(c) Gamma ( $\gamma$ ) Isomer (Known as Lindane)
		Chlorienvinphos(Residues to be measured as alpha and beta isomers of Chlorienvinphos)
		Chlorpyrifos
		2,4D
		Ethion (Residues to be determined as ethion and its oxygen analogue and expressed as ethion)
		Monocrotophos
		Carbendazim
		Benomyl

Std. Nos.	Categories	Parameters
		Carbofuran (sum of carbofuran and 3-hydroxy carbofuran expressed as carbofuran)
		Cypermethrin (sum of isomers) (fat soluble residue)
		Edifenphos
		Fenthion (sum of fenthion, its oxygen analogue and their sulphoxides and sulphones expressed as fenthion)
		Fenvalerate (fat soluble residue)
		Phenthoate
		Phorate (sum of Phorate, its oxygenanalogue and theirsulphoxides and sulphones,expressed as phorate)
		Pirimiphos-methyl
<b>2.1.6.13</b>	<b>Camembert Cheese</b>	<b>General Parameters</b>
		Camembert Cheese means ripened soft cheese obtained by coagulating milk of Cow and/ or Buffalo or mixtures thereof with cultures of harmless lactic acid producing bacteria and cultures of <i>Penicillium caseicolum</i> and <i>Bacterium linens</i> non-animal rennet or other suitable coagulating enzymes. It may be in the form of flat cylindrical shaped cheese covered with white mould ( <i>Penicillium caseicolum</i> ) with occasional orange coloured spots ( <i>Bacterium linens</i> ).
		Sample shall be free from any filthy, putrid, rotten, decomposed or diseased animal substance or vegetable substance, worms, weevils or insects
		Test for added starch
		Test for added preservatives (SO <sub>2</sub> , Benzoic acid)
		Test for Sorbic Acid, Sodium Potassium and Calcium sorbates expressed as sorbic acid
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Beta carotene, Carotene(Natural extract), Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours(Plain), Caramel colours(Ammonium Sulphite process)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		Test for antioxidants (BHA, TBHQ)
		Enzymes from GMOs
		<b>Quality Parameters</b>
		<b>30% Camembert Cheese</b>
		Moisture

Std. Nos.	Categories	Parameters
		Milk fat on dry basis
		<b>40% Camembert Cheese</b>
		Moisture
		Milk fat on dry basis
		<b>45% Camembert Cheese</b>
		Moisture
		Milk fat on dry basis
		<b>50% Camembert Cheese</b>
		Moisture
		Milk fat on dry basis
		<b>Microbiological Parameters</b>
		Coliform count
		<i>E.coli</i>
		<i>Salmonella spp</i>
		<i>S. aureus</i>
		Yeast & mould count
		Anaerobic spore count ( <i>Clostridium perfringens</i> )
		<i>Listeria monocytogenes</i>
		<b>Metal Contaminants</b>
		Arsenic
		Cadmium
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Zinc
		Lead
		Copper
		<b>Other Contaminants</b>
		Melamine
		<b>Pesticides</b>
		Aldrin, dieldrin (the limits apply to aldrin and dieldrin singly or in any combination and are expressed as dieldrin)
		Chlordane (residue to be measured as cis plus trans chlordane)
		D.D.T. (The limits apply to D.D.T., D.D.D. and D.D.E. singly or in any combination)
		Fenitrothion
		Heptachlor (combined residues of heptachlor and its epoxide to be determined and expressed as Heptachlor)
		Hexachlorocyclohexane and its Isomers
		( $\gamma$ ) Gamma ( $\gamma$ ) Isomer (Known as Lindane)
		Chlorienvinphos(Residues to be measured as alpha and beta

Std. Nos.	Categories	Parameters
		isomers of Chlorienvinphos)
		Chlorpyrifos
		2,4D
		Ethion (Residues to be determined as ethion and its oxygen analogue and expressed as ethion)
		Monocrotophos
		Carbendazim
		Benomyl
		Carbofuran (sum of carbofuran and 3-hydroxy carbofuran expressed as carbofuran)
		Cypermethrin (sum of isomers) (fat soluble residue)
		Edifenphos
		Fenthion (sum of fenthion, its oxygen analogue and their sulphoxides and sulphones expressed as fenthion)
		Fenvalerate (fat soluble residue)
		Phenthoate
		Phorate (sum of Phorate, its oxygen analogue and their sulphoxides and sulphones, expressed as phorate)
		Pirimiphos-methyl
<b>2.1.6.14</b>	<b>Brie Cheese</b>	<b>General Parameters</b>
		Brie Cheese means soft ripened cheese obtained by coagulating milk of Cow and/ or Buffalo or mixtures thereof with cultures of harmless lactic acid producing bacteria and cultures of Penicillium caseicolum and Bacterium linens, non-animal rennet and other suitable enzymes
		Sample shall be free from any filthy, putrid, rotten, decomposed or diseased animal substance or vegetable substance, worms, weevils or insects
		Test for added starch
		Test for added preservatives (SO <sub>2</sub> , Benzoic acid)
		Test for Sorbic Acid, Sodium Potassium and Calcium sorbates expressed as sorbic acid
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Beta carotene, Carotene (Natural extract), Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours (Plain), Caramel colours (Ammonium Sulphite process))
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF)
		Test for antioxidants (BHA, TBHQ)

Std. Nos.	Categories	Parameters
		Enzymes from GMOs
		<b>Quality Parameters</b>
		Moisture
		Milk fat on dry basis
		<b>Microbiological Parameters</b>
		Coliform count
		<i>E.coli</i>
		<i>Salmonella spp</i>
		<i>S. aureus</i>
		Yeast & mould count
		Anaerobic spore count ( <i>Clostridium perfringes</i> )
		<i>Listeria monocytogenes</i>
		<b>Metal Contaminants</b>
		Arsenic
		Cadmium
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Zinc
		Lead
		Copper
		<b>Other Contaminants</b>
		Melamine
		<b>Pesticides</b>
		Aldrin, dieldrin (the limits apply to aldrin and dieldrin singly or in any combination and are expressed as dieldrin)
		Chlordane (residue to be measured as cis plus trans chlordane)
		D.D.T. (The limits apply to D.D.T., D.D.D. and D.D.E. singly or in any combination)
		Fenitrothion
		Heptachlor (combined residues of heptachlor and its epoxide to be determined and expressed as Heptachlor)
		Hexachlorocycle hexane and its Isomers
		(c) Gamma (γ) Isomer (Known as Lindane)
		Chlorienvinphos(Residues to be measured as alpha and beta isomers of Chlorienvinphos)
		Chlorpyrifos
		2,4D
		Ethion (Residues to be determined as ethion and its oxygen analogue and expressed as ethion)
		Monocrotophos

Std. Nos.	Categories	Parameters
		Carbendazim
		Benomyl
		Carbofuran (sum of carbofuran and 3-hydroxy carbofuran expressed as carbofuran)
		Cypermethrin (sum of isomers) (fat soluble residue)
		Edifenphos
		Fenthion (sum of fenthion, its oxygen analogue and their sulphoxides and sulphones expressed as fenthion)
		Fenvalerate (fat soluble residue)
		Phenthoate
		Phorate (sum of Phorate, its oxygenanalogue and theirsulphoxides and sulphones,expressed as phorate)
		Pirimiphos-methyl
<b>2.1.6.15</b>	<b>Saint Paulin</b>	<b>General Parameters</b>
		Saint Paulin - means ripened semi hard cheese obtained by coagulating milk of Cow and / or Buffalo or mixtures thereof with non-animal rennet, cultures of harmless lactic acid producing bacteria or other suitable enzymes.
		Sample shall be free from any filthy, putrid, rotten, decomposed or diseased animal substance or vegetable substance, worms, weevils or insects
		Test for added starch
		Test for added preservatives (SO <sub>2</sub> , Benzoic acid)
		Test for Sorbic Acid,Sodium Potassium and Calcium sorbates expressed as sorbic acid
		Test for added Natural colours (Curcumin, Riboflavin,Chlorophyll, Beta carotene, Carotene(Natural extract),Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours(Plain), Caramel colours(Ammonium Sulphite process)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		Test for antioxidants (BHA, TBHQ)
		Enzymes from GMOs
		<b>Quality Parameters</b>
		Moisture
		Milk fat on dry basis
		<b>Microbiological Parameters</b>
		Coliform count
		<i>E.coli</i>

Std. Nos.	Categories	Parameters
		<i>Salmonella spp</i>
		<i>S. aureus</i>
		Yeast & mould count
		Anaerobic spore count ( <i>Clostridium perfringes</i> )
		<i>Listeria monocytogenes</i>
		<b>Metal Contaminants</b>
		Arsenic
		Cadmium
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Zinc
		Lead
		Copper
		<b>Other Contaminants</b>
		Melamine
		<b>Pesticides</b>
		Aldrin, dieldrin (the limits apply to aldrin and dieldrin singly or in any combination and are expressed as dieldrin)
		Chlordane (residue to be measured as cis plus trans chlordane)
		D.D.T. (The limits apply to D.D.T., D.D.D. and D.D.E. singly or in any combination)
		Fenitrothion
		Heptachlor (combined residues of heptachlor and its epoxide to be determined and expressed as Heptachlor)
		Hexachlorocyclohexane and its Isomers
		(c) Gamma ( $\gamma$ ) Isomer (Known as Lindane)
		Chlorienvinphos (Residues to be measured as alpha and beta isomers of Chlorienvinphos)
		Chlorpyrifos
		2,4D
		Ethion (Residues to be determined as ethion and its oxygen analogue and expressed as ethion)
		Monocrotophos
		Carbendazim
		Benomyl
		Carbofuran (sum of carbofuran and 3-hydroxy carbofuran expressed as carbofuran)
		Cypermethrin (sum of isomers) (fat soluble residue)
		Edifenphos
		Fenthion (sum of fenthion, its oxygen analogue and their sulphoxides)

Std. Nos.	Categories	Parameters
		and sulphones expressed as fenthion)
		Fenvalerate (fat soluble residue)
		Phenthoate
		Phorate (sum of Phorate, its oxygenanalogue and theirsulphoxides and sulphones,expressed as phorate)
		Pirimiphos-methyl
<b>2.1.6.16</b>	<b>Samsoe</b>	<b>General Parameters</b>
		Samsoe means hard ripened cheese obtained by coagulating milk of Cow and /or Buffalo or combination there of with non-animal rennet and cultures of harmless lactic acid producing bacteria or suitable coagulating enzymes.
		Sample shall be free from any filthy, putrid, rotten, decomposed or diseased animal substance or vegetable substance, worms, weevils or insects.
		Test for added starch
		Test for added preservatives (SO <sub>2</sub> , Benzoic acid)
		Test for Sorbic Acid,Sodium Potassium and Calcium sorbates expressed as sorbic acid
		Test for added Natural colours (Curcumin, Riboflavin,Chlorophyll, Beta carotene, Carotene(Natural extract),Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours(Plain), Caramel colours(Ammonium Sulphite process)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		Test for antioxidants (BHA, TBHQ)
		Enzymes from GMOs
		<b>Quality Parameters</b>
		<b>Samsoe</b>
		Moisture
		Milk fat on dry basis
		<b>30% Samsoe</b>
		Moisture
		Milk fat on dry basis
		<b>Microbiological Parameters</b>
		Coliform count
		<i>E.coli</i>
		<i>Salmonella spp</i>
		<i>S. aureus</i>
		Yeast & mould count

Std. Nos.	Categories	Parameters
		Anaerobic spore count ( <i>Clostridium perfringes</i> )
		<i>Listeria monocytogenes</i>
		<b>Metal Contaminants</b>
		Arsenic
		Cadmium
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Zinc
		Lead
		Copper
		<b>Other Contaminants</b>
		Melamine
		<b>Pesticides</b>
		Aldrin, dieldrin (the limits apply to aldrin and dieldrin singly or in any combination and are expressed as dieldrin)
		Chlordane (residue to be measured as cis plus trans chlordane)
		D.D.T. (The limits apply to D.D.T., D.D.D. and D.D.E. singly or in any combination)
		Fenitrothion
		Heptachlor (combined residues of heptachlor and its epoxide to be determined and expressed as Heptachlor)
		Hexachlorocycle hexane and its Isomers
		(c) Gamma ( $\gamma$ ) Isomer (Known as Lindane)
		Chlorienvinphos(Residues to be measured as alpha and beta isomers of Chlorienvinphos)
		Chlorpyrifos
		2,4D
		Ethion (Residues to be determined as ethion and its oxygen analogue and expressed as ethion)
		Monocrotophos
		Carbendazim
		Benomyl
		Carbofuran (sum of carbofuran and 3-hydroxy carbofuran expressed as carbofuran)
		Cypermethrin (sum of isomers) (fat soluble residue)
		Edifenphos
		Fenthion (sum of fenthion, its oxygen analogue and their sulphoxides and sulphones expressed as fenthion)
		Fenvalerate (fat soluble residue)
		Phenthoate

Std. Nos.	Categories	Parameters
		Phorate (sum of Phorate, its oxygenanalogue and theirsulphoxides and sulphones,expressed as phorate)
		Pirimiphos-methyl
2.1.6.17	Emmentaler Cheese	<b>General Parameters</b>
		Emmentaler means hard ripened cheese with round holes obtained by coagulating milk of Cow and/ or Buffalo or mixtures thereof with non-animal rennet, cultures of harmless lactic acid producing bacteria or other suitable coagulating enzymes.
		Sample shall be free from any filthy, putrid, rotten, decomposed or diseased animal substance or vegetable substance, worms, weevils or insects
		Test for added starch
		Test for added preservatives (SO <sub>2</sub> , Benzoic acid)
		Test for Sorbic Acid,Sodium Potassium and Calcium sorbates expressed as sorbic acid
		Test for added Natural colours (Curcumin, Riboflavin,Chlorophyll, Beta carotene, Carotene(Natural extract),Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours(Plain), Caramel colours(Ammonium Sulphite process)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		Test for antioxidants (BHA, TBHQ)
		Enzymes from GMOs
		<b>Quality Parameters</b>
		Moisture
		Milk fat on dry basis
		Cupric Sulphate
		<b>Microbiological Parameters</b>
		Coliform count
		<i>E.coli</i>
		<i>Salmonella spp</i>
		<i>S. aureus</i>
		Yeast & mould count
		Anaerobic spore count ( <i>Clostridium perfringes</i> )
		<i>Listeria monocytogenes</i>
		<b>Metal Contaminants</b>
		Arsenic
		Cadmium

Std. Nos.	Categories	Parameters
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Zinc
		Lead
		Copper
		<b>Other Contaminants</b>
		Melamine
		<b>Pesticides</b>
		Aldrin, dieldrin (the limits apply to aldrin and dieldrin singly or in any combination and are expressed as dieldrin)
		Chlordane (residue to be measured as cis plus trans chlordane)
		D.D.T. (The limits apply to D.D.T., D.D.D. and D.D.E. singly or in any combination)
		Fenitrothion
		Heptachlor (combined residues of heptachlor and its epoxide to be determined and expressed as Heptachlor)
		Hexachlorocyclohexane and its Isomers
		(c) Gamma ( $\gamma$ ) Isomer (Known as Lindane)
		Chlorienvinphos (Residues to be measured as alpha and beta isomers of Chlorienvinphos)
		Chlorpyrifos
		2,4D
		Ethion (Residues to be determined as ethion and its oxygen analogue and expressed as ethion)
		Monocrotophos
		Carbendazim
		Benomyl
		Carbofuran (sum of carbofuran and 3-hydroxy carbofuran expressed as carbofuran)
		Cypermethrin (sum of isomers) (fat soluble residue)
		Edifenphos
		Fenthion (sum of fenthion, its oxygen analogue and their sulphoxides and sulphones expressed as fenthion)
		Fenvalerate (fat soluble residue)
		Phenthoate
		Phorate (sum of Phorate, its oxygen analogue and their sulphoxides and sulphones, expressed as phorate)
		Pirimiphos-methyl
<b>2.1.6.18</b>	<b>Provolone</b>	<b>General Parameters</b>

Std. Nos.	Categories	Parameters
		Provolone means pasta filata cheese obtained by coagulating milk of Cow and/ or Buffalo or mixtures thereof with cultures of harmless lactic acid producing bacteria, non-animal rennet or other suitable coagulating enzymes. It may be smoked.
		Sample shall be free from any filthy, putrid, rotten, decomposed or diseased animal substance or vegetable substance, worms, weevils or insects
		Test for added starch
		Test for added preservatives (SO <sub>2</sub> , Benzoic acid)
		Test for Sorbic Acid, Sodium Potassium and Calcium sorbates expressed as sorbic acid
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Beta carotene, Carotene (Natural extract), Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours (Plain), Caramel colours (Ammonium Sulphite process))
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		Test for antioxidants (BHA, TBHQ)
		Enzymes from GMOs
		<b>Quality Parameters</b>
		Moisture
		a. Unsmoked Cheese
		b. Smoked Cheese
		Milk fat on dry basis
		<b>Microbiological Parameters</b>
		Coliform count
		<i>E. coli</i>
		<i>Salmonella spp</i>
		<i>S. aureus</i>
		Yeast & mould count
		Anaerobic spore count ( <i>Clostridium perfringes</i> )
		<i>Listeria monocytogenes</i>
		<b>Metal Contaminants</b>
		Arsenic
		Cadmium
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Zinc
		Lead

Std. Nos.	Categories	Parameters
		Copper
		<b>Other Contaminants</b>
		Melamine
		<b>Pesticides</b>
		Aldrin, dieldrin (the limits apply to aldrin and dieldrin singly or in any combination and are expressed as dieldrin)
		Chlordane (residue to be measured as cis plus trans chlordane)
		D.D.T. (The limits apply to D.D.T., D.D.D. and D.D.E. singly or in any combination)
		Fenitrothion
		Heptachlor (combined residues of heptachlor and its epoxide to be determined and expressed as Heptachlor)
		Hexachlorocyclohexane and its Isomers
		(c) Gamma ( $\gamma$ ) Isomer (Known as Lindane)
		Chlorienvinphos (Residues to be measured as alpha and beta isomers of Chlorienvinphos)
		Chlorpyrifos
		2,4D
		Ethion (Residues to be determined as ethion and its oxygen analogue and expressed as ethion)
		Monocrotophos
		Carbendazim
		Benomyl
		Carbofuran (sum of carbofuran and 3-hydroxy carbofuran expressed as carbofuran)
		Cypermethrin (sum of isomers) (fat soluble residue)
		Edifenphos
		Fenthion (sum of fenthion, its oxygen analogue and their sulphoxides and sulphones expressed as fenthion)
		Fenvalerate (fat soluble residue)
		Phenthoate
		Phorate (sum of Phorate, its oxygen analogue and their sulphoxides and sulphones, expressed as phorate)
		Pirimiphos-methyl
<b>2.1.6.19</b>	<b>Extra Hard Grating Cheese</b>	<b>General Parameters</b>
		Extra Hard Grating Cheese means ripened cheese obtained by coagulating milk of Cow and/ or Buffalo, goat/ sheep milk or mixtures thereof with cultures of harmless lactic acid producing bacteria, non-animal rennet, or other suitable coagulating enzymes

Std. Nos.	Categories	Parameters
		Sample shall be free from any filthy, putrid, rotten, decomposed or diseased animal substance or vegetable substance, worms, weevils or insects
		Test for added starch
		Test for added preservatives (SO <sub>2</sub> , Benzoic acid)
		Test for Sorbic Acid, Sodium Potassium and Calcium sorbates expressed as sorbic acid
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Beta carotene, Carotene (Natural extract), Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours (Plain), Caramel colours (Ammonium Sulphite process))
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF)
		Test for antioxidants (BHA, TBHQ)
		Enzymes from GMOs
		<b>Quality Parameters</b>
		Moisture
		Milk fat on dry basis
		<b>Microbiological Parameters</b>
		Coliform count
		<i>E. coli</i>
		<i>Salmonella spp</i>
		<i>S. aureus</i>
		Yeast & mould count
		Anaerobic spore count ( <i>Clostridium perfringens</i> )
		<i>Listeria monocytogenes</i>
		<b>Metal Contaminants</b>
		Arsenic
		Cadmium
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Zinc
		Lead
		Copper
		<b>Other Contaminants</b>
		Melamine
		<b>Pesticides</b>
		Aldrin, dieldrin (the limits apply to aldrin and dieldrin singly or in any combination and are

Std. Nos.	Categories	Parameters
		expressed as dieldrin)
		Chlordane (residue to be measured as cis plus trans chlordane)
		D.D.T. (The limits apply to D.D.T., D.D.D. and D.D.E. singly or in any combination)
		Fenitrothion
		Heptachlor (combined residues of heptachlor and its epoxide to be determined and expressed as Heptachlor)
		Hexachlorocyclohexane and its Isomers
		(c) Gamma ( $\gamma$ ) Isomer (Known as Lindane)
		Chlorienvinphos (Residues to be measured as alpha and beta isomers of Chlorienvinphos)
		Chlorpyrifos
		2,4D
		Ethion (Residues to be determined as ethion and its oxygen analogue and expressed as ethion)
		Monocrotophos
		Carbendazim
		Benomyl
		Carbofuran (sum of carbofuran and 3-hydroxy carbofuran expressed as carbofuran)
		Cypermethrin (sum of isomers) (fat soluble residue)
		Edifenphos
		Fenthion (sum of fenthion, its oxygen analogue and their sulphoxides and sulphones expressed as fenthion)
		Fenvalerate (fat soluble residue)
		Phenthoate
		Phorate (sum of Phorate, its oxygen analogue and their sulphoxides and sulphones, expressed as phorate)
		Pirimiphos-methyl
<b>2.1.7 DAIRY BASED DESSERTS / CONFECTIONS</b>		
<b>2.1.7.1</b>	<b>Ice cream, Kulfi, Chocolate ice cream or softy ice cream</b>	<b>General Parameters</b>
		Ice Cream, Kulfi, Chocolate Ice Cream or Softy Ice Cream means the product obtained by freezing a pasteurized mix prepared from milk and /or other products derived from milk with or without the addition of nutritive sweetening agents, fruit and fruit products, eggs and egg products, coffee, cocoa, chocolate, condiments, spices, ginger and nuts and it may also contain bakery products such as cake or cookies as a separate layer and/or coating

Std. Nos.	Categories	Parameters
		Sample shall be free from any filthy, putrid, rotten, decomposed or diseased animal substance or vegetable substance, worms, weevils or insects
		Test for rancidity
		Test for added preservatives (SO <sub>2</sub> , Benzoic acid)
		Test for Sorbic Acid, Sodium Potassium and Calcium sorbates expressed as sorbic acid
		Test for antioxidants (BHA, TBHQ, ascorbyl palmitate)
		Test for added Natural colour
		a. Curcumin
		b. Riboflavin
		c. Chlorophyll
		d. Beta carotene
		e. Carotene (Natural extract)
		f. Annatto extract on Bixin/Nor bixin basis(50:50 ratio)
		g. Beta apo-8 carotenal
		h. Methyl ester of Beta apo-8 carotenoic acid
		i. Ethyl ester of Beta apo-8 carotenoic acid
		j. Canthaxanthin
		k. Caramel colours(Plain)
		k. Caramel colours(Ammonium Sulphite process)
		Test for Synthetic colors : Singly or in combination)
		a. Ponceau 4R
		b. Carmoisine
		c. Erythrosine
		d. Tartrazine
		e. Sunset Yellow FCF
		f. Indigo carmine
		g. Brilliant blue FCF
		h. Fast green FCF
		Test for Artificial Sweeteners
		a. Aspartame
		b. Acesulfame-K
		c. Saccharin
		d. Sucralose
		e. Neotame
		f. Isomalt, Erythritol, Maltitol
		Test for Non Nutritive Sweetener
		b. Steviol Glycoside
		<b>Quality Parameters*</b>
		<b>Ice cream</b>
		Total solids

Std. Nos.	Categories	Parameters
		Weight / Volume (gms/l)
		Milk fat
		Milk protein (Nx6.38)
		<b>Medium Fat Ice-cream</b>
		Total solids
		Weight / Volume (gms/l)
		Milk fat
		Milk protein (Nx6.38)
		<b>Low Fat Ice - cream</b>
		Total solids
		Weight / Volume (gms/l)
		Milk fat
		Milk protein (Nx6.38)
	<b>*If chocolate cake or similar food coating forms a separate part of the product Only the ice cream portion shall conform to the requirement. The type of ice cream to be clearly indicated on the label, otherwise standard for ice cream will apply.</b>	
		<b>Microbiological Parameters</b>
		Total plate count
		Coliform count
		<i>E.coli</i>
		<i>Salmonella</i> spp
		<i>S. aureus</i>
		Yeast & mould count
		<i>Listeria monocytogenes</i>
		<b>Metal Contaminants</b>
		Arsenic
		Cadmium
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Zinc
		Lead
		Copper
		<b>Other Contaminants</b>
		Melamine
		<b>Pesticides</b>
		Aldrin, dieldrin (the limits apply to aldrin and dieldrin singly or in any combination and are expressed as dieldrin)

Std. Nos.	Categories	Parameters
		Chlordane (residue to be measured as cis plus trans chlordane)
		D.D.T. (The limits apply to D.D.T., D.D.D. and D.D.E. singly or in any combination)
		Fenitrothion
		Heptachlor (combined residues of heptachlor and its epoxide to be determined and expressed as Heptachlor)
		Hexachlorocyclohexane and its Isomers
		© Gamma (γ) Isomer (Known as Lindane)
		Chlorienvinphos (Residues to be measured as alpha and beta isomers of Chlorienvinphos)
		Chlorpyrifos
		2,4D
		Ethion (Residues to be determined as ethion and its oxygen analogue and expressed as ethion)
		Monocrotophos
		Carbendazim
		Benomyl
		Carbofuran (sum of carbofuran and 3-hydroxy carbofuran expressed as carbofuran)
		Cypermethrin (sum of isomers) (fat soluble residue)
		Edifenphos
		Fenthion (sum of fenthion, its oxygen analogue and their sulphoxides and sulphones expressed as fenthion)
		Fenvalerate (fat soluble residue)
		Phenthoate
		Phorate (sum of Phorate, its oxygen analogue and their sulphoxides and sulphones, expressed as phorate)
		Pirimiphos-methyl
<b>2.1.7.2</b>	<b>Dry ice cream mix / Dried frozen dessert/ confection</b>	<b>General Parameters</b>
		Sample shall be free from any filthy, putrid, rotten, decomposed or diseased animal substance or vegetable substance, worms, weevils or insects
		Test for rancidity

Std. Nos.	Categories	Parameters
		Test for added preservatives (SO <sub>2</sub> , Benzoic acid)
		Test for Sorbic Acid, Sodium Potassium and Calcium sorbates expressed as sorbic acid
		Test for antioxidants (BHA, TBHQ, ascorbyl palmitate)
		Test for added Natural colour
		Curcumin
		Riboflavin
		Chlorophyll
		Beta carotene
		Carotene (Natural extract)
		Annatto extract on Bixin/Nor bixin basis(50:50 ratio)
		Beta apo-8 carotenal
		Methyl ester of Beta apo-8 carotenoic acid
		Ethyl ester of Beta apo-8 carotenoic acid
		Canthaxanthin
		Caramel colours(Plain)
		Caramel colours(Ammonium Sulphite process)
		Test for Synthetic colors : Singly or in combination)
		Ponceau 4R
		Carmoisine
		Erythrosine
		Tartrazine
		Sunset Yellow FCF
		Indigo carmine
		Brilliant blue FCF
		Fast green FCF
		Test for Artificial Sweeteners
		Aspartame
		Acesulfame-K
		Saccharin
		Sucralose
		Sorbitol
		Test for Non Nutritive Sweetener
		c. Steviol Glycoside
		<b>Quality Parameters</b>
		Moisture
		Milk fat
		Milk protein
		Total solids
		<b>Microbiological Parameters</b>
		Total plate count
		Coliform count

Std. Nos.	Categories	Parameters
		<i>E.coli</i>
		<i>Salmonella</i> spp
		<i>S. aureus</i>
		Aerobic spore count ( <i>B. cereus</i> )
		Anaerobic spore count ( <i>Clostridium perfringes</i> )
		<i>Listeria monocytogenes</i>
		<b>Metal Contaminants</b>
		Arsenic
		Cadmium
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Zinc
		Lead
		Copper
		<b>Other Contaminants</b>
		Melamine
		<b>Pesticides</b>
		Aldrin, dieldrin (the limits apply to aldrin and dieldrin singly or in any combination and are expressed as dieldrin)
		Chlordane (residue to be measured as cis plus trans chlordane)
		D.D.T. (The limits apply to D.D.T., D.D.D. and D.D.E. singly or in any combination)
		Fenitrothion
		Heptachlor (combined residues of heptachlor and its epoxide to be determined and expressed as Heptachlor)
		Hexachlorocycle hexane and its Isomers
		(c) Gamma ( $\gamma$ ) Isomer (Known as Lindane)
		Chlorienvinphos(Residues to be measured as alpha and beta isomers of Chlorienvinphos)
		Chlorpyrifos
		2,4D
		Ethion (Residues to be determined as ethion and its oxygen analogue and expressed as ethion)
		Monocrotophos
		Carbendazim
		Benomyl
		Carbofuran (sum of carbofuran and 3-hydroxy carbofuran expressed as carbofuran)
		Cypermethrin (sum of isomers) (fat soluble residue)
		Edifenphos

Std. Nos.	Categories	Parameters
		Fenthion (sum of fenthion, its oxygen analogue and their sulphoxides and sulphones expressed as fenthion)
		Fenvalerate (fat soluble residue)
		Phenthoate
		Phorate (sum of Phorate, its oxygenanalogue and theirsulphoxides and sulphones,expressed as phorate)
		Pirimiphos-methyl
<b>Total</b>		
<b>2.1.7.3</b>	<b>Frozen dessert / Frozen confection</b>	General Parameters
		Frozen Dessert / Frozen Confection means the product obtained by freezing a pasteurised mix prepared with milk fat and / or edible vegetable oils and fat having a melting point of not more than 37.0 degree C in combination and milk protein alone or in combination / or vegetable protein products singly or in combination with the addition of nutritive sweetening agents e.g. sugar, dextrose, fructose, liquid glucose, dried liquid glucose, maltodextrin, high maltose corn syrup, honey, fruit and fruit products, eggs and egg products coffee, cocoa, chocolate, condiments, spices,ginger, and nuts.
		Sample shall be free from any filthy, putrid, rotten, decomposed or diseased animal substance or vegetable substance, worms, weevils or insects
		Test for rancidity
		Test for added preservatives (SO <sub>2</sub> , Benzoic acid)
		Test for Sorbic Acid,Sodium Potassium and Calcium sorbates expressed as sorbic acid
		Test for antioxidants (BHA, TBHQ, ascorbyl palmitate)
		Test for added Natural colour
		Curcumin
		Riboflavin
		Chlorophyll
		Beta carotene
		Carotene (Natural extract)
		Annatto extract on Bixin/Nor bixin basis(50:50 ratio)
		Beta apo-8 carotenal
		Methyl ester of Beta apo-8 carotenoic acid
		Ethyl ester of Beta apo-8 carotenoic acid
		Canthaxanthin
		Caramel colours(Plain)
		Caramel colours(Ammonium Sulphite process)

Std. Nos.	Categories	Parameters
		Test for Synthetic colors
		Ponceau 4R
		Carmoisine
		Erythrosine
		Tartrazine
		Sunset Yellow FCF
		Indigo carmine
		Brilliant blue FCF
		Fast green FCF
		Test for Artificial Sweeteners
		Aspartame
		Acesulfame-K
		Saccharin
		Sucralose
		Sorbitol
		<b>Quality Parameters *</b>
		<b>Frozen dessert / Frozen confection</b>
		Total solids
		Weight / Volume (gms/l)
		Total fat
		Total protein (Nx6.25)
		<b>Medium Fat Frozen dessert / Frozen confection</b>
		Total solids
		Weight / Volume (gms/l)
		Total fat
		Total protein (Nx6.25)
		<b>Low Fat Frozen dessert / Frozen confection</b>
		Total solids
		Weight / Volume (gms/l)
		Total protein (Nx6.25)
		Total fat
		<b>*If chocolate cake or similar food coating forms a separate part of the product Only the ice cream portion shall conform to the requirement. The type of ice cream to be clearly indicated on the label, otherwise standard for ice cream will apply.</b>
		<b>Microbiological Parameters</b>
		Total plate count
		Coliform count
		<i>E.coli</i>
		<i>Salmonella</i> spp
		<i>S. aureus</i>
		Yeast & mould count

Std. Nos.	Categories	Parameters
		<i>Listeria monocytogenes</i>
		<b>Metal Contaminants</b>
		Arsenic
		Cadmium
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Zinc
		Lead
		Copper
		<b>Other Contaminants</b>
		Melamine
		<b>Pesticides</b>
		Aldrin, dieldrin (the limits apply to aldrin and dieldrin singly or in any combination and are expressed as dieldrin)
		Chlordane (residue to be measured as cis plus trans chlordane)
		D.D.T. (The limits apply to D.D.T., D.D.D. and D.D.E. singly or in any combination)
		Fenitrothion
		Heptachlor (combined residues of heptachlor and its epoxide to be determined and expressed as Heptachlor)
		Hexachlorocyclohexane and its Isomers
		(c) Gamma ( $\gamma$ ) Isomer (Known as Lindane)
		Chlorienvinphos (Residues to be measured as alpha and beta isomers of Chlorienvinphos)
		Chlorpyrifos
		2,4D
		Ethion (Residues to be determined as ethion and its oxygen analogue and expressed as ethion)
		Monocrotophos
		Carbendazim
		Benomyl
		Carbofuran (sum of carbofuran and 3-hydroxy carbofuran expressed as carbofuran)
		Cypermethrin (sum of isomers) (fat soluble residue)
		Edifenphos
		Fenthion (sum of fenthion, its oxygen analogue and their sulphoxides and sulphones expressed as fenthion)
		Fenvalerate (fat soluble residue)
		Phenthoate

Std. Nos.	Categories	Parameters
		Phorate (sum of Phorate, its oxygenanalogue and theirsulphoxides and sulphones,expressed as phorate)
		Pirimiphos-methyl
Total		
2.1.7.4	Milk ice or Milk lolly	<p><b>General Parameters</b></p> <p>Milk Ice or Milk Lolly (hereafter referred to as the said product) means the product obtained by freezing a pasteurized mix prepared from milk and/or other products derived from milk with or without the addition of nutritive sweetening agents, fruit and fruit products, eggs and egg products, coffee, cocoa, chocolate, condiments, spices, ginger and nuts</p> <p>Sample shall be free from any filthy, putrid, rotten, decomposed or diseased animal substance or vegetable substance, worms, weevils or insects</p> <p>Test for rancidity</p> <p>Test for added preservatives (SO<sub>2</sub>, Benzoic acid)</p> <p>Test for Sorbic Acid,Sodium Potassium and Calcium sorbates expressed as sorbic acid</p> <p>Test for antioxidants (BHA, TBHQ, ascorbyl palmitate)</p> <p>Test for added Natural colour</p> <ol style="list-style-type: none"> <li>a. Curcumin</li> <li>b. Riboflavin</li> <li>c. Chlorophyll</li> <li>d. Beta carotene</li> <li>e. Carotene (Natural extract)</li> <li>f. Annatto extract on Bixin/Nor bixin basis(50:50 ratio)</li> <li>g. Beta apo-8 carotenal</li> <li>h. Methyl ester of Beta apo-8 carotenoic acid</li> <li>i. Ethyl ester of Beta apo-8 carotenoic acid</li> <li>j. Canthaxanthin</li> <li>k. Caramel colours(Plain)</li> <li>k. Caramel colours(Ammonium Sulphite process)</li> </ol> <p>Test for Synthetic colors : Singly or in combination)</p> <ol style="list-style-type: none"> <li>a. Ponceau 4R</li> <li>b. Carmoisine</li> <li>c. Erythrosine</li> <li>d. Tartrazine</li> <li>e. Sunset Yellow FCF</li> <li>f. Indigo carmine</li> <li>g. Brilliant blue FCF</li> <li>h. Fast green FCF</li> </ol>

Std. Nos.	Categories	Parameters
		Test for Artificial Sweeteners
		a. Aspartame
		b. Acesulfame-K
		c. Saccharin
		d. Sucralose
		e. Sorbitol
		<b>Quality Parameters</b>
		Total solids (m/m)
		Milk fat (m/m)
		Milk protein (Nx6.38)
		<b>Microbiological Parameters</b>
		Total plate count
		Coliform count
		<i>E.coli</i>
		<i>Salmonella</i> spp
		<i>S. aureus</i>
		Yeast & mould count
		<i>Listeria monocytogenes</i>
		<b>Metal Contaminants</b>
		Arsenic
		Cadmium
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Zinc
		Lead
		Copper
		<b>Other Contaminants</b>
		Melamine
		<b>Pesticides</b>
		Aldrin, dieldrin (the limits apply to aldrin and dieldrin singly or in any combination and are expressed as dieldrin)
		Chlordane (residue to be measured as cis plus trans chlordane)
		D.D.T. (The limits apply to D.D.T., D.D.D. and D.D.E. singly or in any combination)
		Fenitrothion
		Heptachlor (combined residues of heptachlor and its epoxide to be determined and expressed as Heptachlor)

Std. Nos.	Categories	Parameters
		Hexachlorocyclohexane and its Isomers
		(c) Gamma (γ) Isomer (Known as Lindane)
		Chlorienvinphos (Residues to be measured as alpha and beta isomers of Chlorienvinphos)
		Chlorpyrifos
		2,4D
		Ethion (Residues to be determined as ethion and its oxygen analogue and expressed as ethion)
		Monocrotophos
		Carbendazim
		Benomyl
		Carbofuran (sum of carbofuran and 3-hydroxy carbofuran expressed as carbofuran)
		Cypermethrin (sum of isomers) (fat soluble residue)
		Edifenphos
		Fenthion (sum of fenthion, its oxygen analogue and their sulphoxides and sulphones expressed as fenthion)
		Fenvalerate (fat soluble residue)
		Phenthoate
		Phorate (sum of Phorate, its oxygen analogue and their sulphoxides and sulphones, expressed as phorate)
		Pirimiphos-methyl
<b>2.1.7.5</b>	<b>Khoya</b>	<b>General Parameters</b>
		Khoya by whatever variety of names it is sold such as Pindi, Danedar, Dhap, Mawa or Kava means the product obtained from cow or buffalo or goat or sheep milk or milk solids or a combination thereof by rapid drying.
		Sample shall be free from any filthy, putrid, rotten, decomposed or diseased animal substance or vegetable substance, worms, weevils or insects
		Test for rancidity
		Test for starch
		Test for sucrose
		Test for glucose
		Test for added preservatives (SO <sub>2</sub> , Benzoic acid)
		Test for Sorbic Acid, Sodium Potassium and Calcium sorbates expressed as sorbic acid

Std. Nos.	Categories	Parameters
		Test for antioxidants (BHA, TBHQ, ascorbyl palmitate)
		Test for added Natural colour
		a. Curcumin
		b. Riboflavin
		c. Chlorophyll
		d. Beta carotene
		e. Carotene (Natural extract)
		f. Annatto extract on Bixin/Nor bixin basis(50:50 ratio)
		g. Beta apo-8 carotenal
		h. Methyl ester of Beta apo-8 carotenoic acid
		i. Ethyl ester of Beta apo-8 carotenoic acid
		j. Canthaxanthin
		k. Caramel colours(Plain)
		l. Caramel colours(Ammonium Sulphite process)
		Test for Synthetic colors : Singly or in combination)
		a. Ponceau 4R
		b. Carmoisine
		c. Erythrosine
		d. Tartrazine
		e. Sunset Yellow FCF
		f. Indigo carmine
		g. Brilliant blue FCF
		h. Fast green FCF
		Test for Artificial Sweeteners
		a. Aspartame
		b. Acesulfame-K
		c. Saccharin
		d. Sucralose
		e. Sorbitol
		<b>Quality Parameters</b>
		Milk fat on dry weight basis
		Citric Acid
		<b>Microbiological Parameters</b>
		Total plate count
		Coliform count
		<i>E.coli</i>
		<i>Salmonella spp</i>
		<i>S. aureus</i>
		Yeast & mould count
		<i>Listeria monocytogenes</i>
		<b>Metal Contaminants</b>
		Arsenic

Std. Nos.	Categories	Parameters
		Cadmium
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Zinc
		Lead
		Copper
		<b>Other Contaminants</b>
		Melamine
		<b>Pesticides</b>
		Aldrin, dieldrin (the limits apply to aldrin and dieldrin singly or in any combination and are expressed as dieldrin)
		Chlordane (residue to be measured as cis plus trans chlordane)
		D.D.T. (The limits apply to D.D.T., D.D.D. and D.D.E. singly or in any combination)
		Fenitrothion
		Heptachlor (combined residues of heptachlor and its epoxide to be determined and expressed as Heptachlor)
		Hexachlorocyclohexane and its Isomers
		( $\gamma$ ) Isomer (Known as Lindane)
		Chlorienvinphos (Residues to be measured as alpha and beta isomers of Chlorienvinphos)
		Chlorpyrifos
		2,4D
		Ethion (Residues to be determined as ethion and its oxygen analogue and expressed as ethion)
		Monocrotophos
		Carbendazim
		Benomyl
		Carbofuran (sum of carbofuran and 3-hydroxy carbofuran expressed as carbofuran)
		Cypermethrin (sum of isomers) (fat soluble residue)
		Edifenphos
		Fenthion (sum of fenthion, its oxygen analogue and their sulphoxides and sulphones expressed as fenthion)
		Fenvalerate (fat soluble residue)
		Phenthoate
		Phorate (sum of Phorate, its oxygen analogue and their sulphoxides and sulphones, expressed as phorate)

Std. Nos.	Categories	Parameters
		Pirimiphos-methyl
<b>2.1.8</b>	<b>EVAPORATED/ CONDENSED MILK &amp; MILK PRODUCTS</b>	
<b>2.1.8.1</b>	<b>Evaporated Milk</b>	<b>General Parameters</b>
		Evaporated Milk means the product obtained by partial removal of water from milk of cow and/ or buffalo by heat or any other process which leads to a product of the same composition and characteristics. The fat and protein content of the milk may be adjusted by addition and/ or withdrawal of milk constituents in such a way as not to alter the whey protein to casein ratio of the milk being adjusted.
		Sample shall be free from any filthy, putrid, rotten, decomposed or diseased animal substance or vegetable substance, worms, weevils or insects
		Test for rancidity
		Test for starch
		Test for sucrose
		Test for glucose
		Test for added preservatives (SO <sub>2</sub> , Benzoic acid)
		Test for Sorbic Acid, Sodium Potassium and Calcium sorbates expressed as sorbic acid
		Test for antioxidants (BHA, TBHQ, ascorbyl palmitate)
		Test for added Natural colour
		a. Curcumin
		b. Riboflavin
		c. Chlorophyll
		d. Beta carotene
		e. Carotene (Natural extract)
		f. Annatto extract on Bixin/Nor bixin basis(50:50 ratio)
		g. Beta apo-8 carotenal
		h. Methyl ester of Beta apo-8 carotenoic acid
		i. Ethyl ester of Beta apo-8 carotenoic acid
		j. Canthaxanthin
		k. Caramel colours(Plain)
		l. Caramel colours(Ammonium Sulphite process)
		Test for Synthetic colors : Singly or in combination)

Std. Nos.	Categories	Parameters
		a. Ponceau 4R
		b. Carmoisine
		c. Erythrosine
		d. Tartrazine
		e. Sunset Yellow FCF
		f. Indigo carmine
		g. Brilliant blue FCF
		h. Fast green FCF
		Test for Artificial Sweeteners
		a. Aspartame
		b. Acesulfame-K
		c. Saccharin
		d. Sucralose
		e. Sorbitol
		<b>Quality Parameters</b>
		<b>Evaporated milk</b>
		Milk fat (m/m)
		Milk solids (m/m)
		Milk protein in milk solids not fat (m/m)
		<b>Evaporated partly skimmed milk</b>
		Milk fat (m/m)
		Milk solids (m/m)
		Milk protein in milk solids not fat (m/m)
		<b>Evaporated skimmed milk</b>
		Milk fat (m/m)
		Milk solids (m/m)
		Milk protein in milk solids not fat (m/m)
		<b>Evaporated high fat milk</b>
		Milk fat (m/m)
		Milk solids (m/m)
		Milk protein in milk solids not fat (m/m)
		<b>Microbiological Parameters</b>
		Total plate count
		Aerobic spore count ( <i>B. cereus</i> )
		Anaerobic spore count ( <i>Clostridium perfringens</i> )
		<b>Metal Contaminants</b>
		Arsenic
		Cadmium
		Mercury
		Methyl Mercury calculated as the element
		Tin

Std. Nos.	Categories	Parameters
		Zinc
		Lead
		Copper
		<b>Other Contaminants</b>
		Melamine
		<b>Pesticides</b>
		Aldrin, dieldrin (the limits apply to aldrin and dieldrin singly or in any combination and are expressed as dieldrin)
		Chlordane (residue to be measured as cis plus trans chlordane)
		D.D.T. (The limits apply to D.D.T., D.D.D. and D.D.E. singly or in any combination)
		Fenitrothion
		Heptachlor (combined residues of heptachlor and its epoxide to be determined and expressed as Heptachlor)
		Hexachlorocyclohexane and its Isomers
		(c) Gamma ( $\gamma$ ) Isomer (Known as Lindane)
		Chlorienvinphos (Residues to be measured as alpha and beta isomers of Chlorienvinphos)
		Chlorpyrifos
		2,4D
		Ethion (Residues to be determined as ethion and its oxygen analogue and expressed as ethion)
		Monocrotophos
		Carbendazim
		Benomyl
		Carbofuran (sum of carbofuran and 3-hydroxy carbofuran expressed as carbofuran)
		Cypermethrin (sum of isomers) (fat soluble residue)
		Edifenphos
		Fenthion (sum of fenthion, its oxygen analogue and their sulphoxides and sulphones expressed as fenthion)
		Fenvalerate (fat soluble residue)
		Phenthoate
		Phorate (sum of Phorate, its oxygen analogue and their sulphoxides and sulphones, expressed as phorate)
		Pirimiphos-methyl
<b>2.1.8.2</b>	<b>Sweetened</b>	<b>General Parameters</b>

Std. Nos.	Categories	Parameters
	<b>Condensed milk</b>	
		Sweetened Condensed Milk means the product obtained by partial removal of water from milk of Cow and/ or Buffalo with the addition of sugar or a combination of sucrose with other sugars or by any other process which leads to a product of the same composition and characteristics. The fat and/ or protein content of the milk may be adjusted by addition and / or withdrawal of milk constituents in such a way as not to alter the whey protein to casein ratio of the milk being adjusted.
		Sample shall be free from any filthy, putrid, rotten, decomposed or diseased animal substance or vegetable substance, worms, weevils or insects
		Test for rancidity
		Test for starch
		Test for added preservatives (SO <sub>2</sub> , Benzoic acid)
		Test for Sorbic Acid, Sodium Potassium and Calcium sorbates expressed as sorbic acid
		Test for antioxidants (BHA, TBHQ, ascorbyl palmitate)
		Test for added Natural colour
		a. Curcumin
		b. Riboflavin
		c. Chlorophyll
		d. Beta carotene
		e. Carotene (Natural extract)
		f. Annatto extract on Bixin/Nor bixin basis(50:50 ratio)
		g. Beta apo-8 carotenal
		h. Methyl ester of Beta apo-8 carotenoic acid
		i. Canthaxanthin
		j. Caramel colours(Plain)
		k. Caramel colours(Ammonium Sulphite process)
		Test for Synthetic colors : Singly or in combination)
		a. Ponceau 4R
		b. Carmoisine
		c. Erythrosine
		d. Tartrazine
		e. Sunset Yellow FCF
		f. Indigo carmine
		g. Brilliant blue FCF
		h. Fast green FCF
		Test for Artificial Sweeteners
		a. Aspartame
		b. Acesulfame-K

Std. Nos.	Categories	Parameters
		c. Saccharin
		d. Sucralose
		e. Sorbitol
		<b>Quality Parameters</b>
		<b>Sweetened condensed milk</b>
		Milk Fat
		Milk solids
		Milk protein in milk solids not fat
		<b>Sweetened condensed skimmed milk</b>
		Milk Fat
		Milk solids
		Milk protein in milk solids not fat
		<b>Sweetened condensed partly skimmed milk</b>
		Milk Fat
		Milk solids
		Milk protein in milk solids not fat
		<b>Sweetened condensed high fat milk</b>
		Milk Fat
		Milk solids
		Milk protein in milk solids not fat
		<b>Microbiological Parameters</b>
		Total plate count
		Coliform count
		<i>E.coli</i>
		<i>Salmonella</i> spp
		<i>S. aureus</i>
		Yeast and mould count
		Anaerobic spore count ( <i>Clostridium perfringens</i> )
		<i>Listeria monocytogenes</i>
		<b>Metal Contaminants</b>
		Arsenic
		Cadmium
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Zinc
		Lead
		Copper
		<b>Other Contaminants</b>
		Melamine
		<b>Pesticides</b>
		Aldrin, dieldrin (the limits apply to aldrin and dieldrin singly or in any

Std. Nos.	Categories	Parameters
		combination and are expressed as dieldrin)
		Chlordane (residue to be measured as cis plus trans chlordane)
		D.D.T. (The limits apply to D.D.T., D.D.D. and D.D.E. singly or in any combination)
		Fenitrothion
		Heptachlor (combined residues of heptachlor and its epoxide to be determined and expressed as Heptachlor)
		Hexachlorocyclohexane and its Isomers
		(c) Gamma ( $\gamma$ ) Isomer (Known as Lindane)
		Chlorienvinphos (Residues to be measured as alpha and beta isomers of Chlorienvinphos)
		Chlorpyrifos
		2,4D
		Ethion (Residues to be determined as ethion and its oxygen analogue and expressed as ethion)
		Monocrotophos
		Carbendazim
		Benomyl
		Carbofuran (sum of carbofuran and 3-hydroxy carbofuran expressed as carbofuran)
		Cypermethrin (sum of isomers) (fat soluble residue)
		Edifenphos
		Fenthion (sum of fenthion, its oxygen analogue and their sulphoxides and sulphones expressed as fenthion)
		Fenvalerate (fat soluble residue)
		Phenthoate
		Phorate (sum of Phorate, its oxygen analogue and their sulphoxides and sulphones, expressed as phorate)
		Pirimiphos-methyl
<b>2.1.8.3</b>	<b>Milk Powder</b>	<b>General Parameters</b>
		Milk Powder means the product obtained by partial removal of water from milk of Cow and / or Buffalo. The fat and / or protein content of the milk may be adjusted by addition and/ or withdrawal of milk constituents in such a way as not to alter the whey protein to casein ratio of the milk being adjusted
		Sample shall be free from any filthy, putrid, rotten, decomposed or diseased animal substance or vegetable substance, worms, weevils or insects
		Test for rancidity
		Test for Mineral oil and vegetable fat
		Test for starch

Std. Nos.	Categories	Parameters
		Test for added preservatives (SO <sub>2</sub> , Benzoic acid)
		Test for Sorbic Acid, Sodium Potassium and Calcium sorbates expressed as sorbic acid
		Test for antioxidants (BHA, TBHQ, ascorbyl palmitate)
		Test for added Natural colour
		l. Curcumin
		m. Riboflavin
		n. Chlorophyll
		o. Beta carotene
		p. Carotene (Natural extract)
		q. Annatto extract on Bixin/Nor bixin basis(50:50 ratio)
		r. Beta apo-8 carotenal
		s. Methyl ester of Beta apo-8 carotenoic acid
		t. Ethyl ester of Beta apo-8 carotenoic acid
		u. Canthaxanthin
		v. Caramel colours(Plain)
		w. Caramel colours(Ammonium Sulphite process)
		Test for Synthetic colors : Singly or in combination)
		i. Ponceau 4R
		j. Carmoisine
		k. Erythrosine
		l. Tartrazine
		m. Sunset Yellow FCF
		n. Indigo carmine
		o. Brilliant blue FCF
		p. Fast green FCF
		Test for Artificial Sweeteners
		f. Aspartame
		g. Acesulfame-K
		h. Saccharin
		i. Sucralose
		j. Sorbitol
		<b>Quality parameters</b>
		<b>Whole Milk powder</b>
		Moisture (m/m)
		Milk fat (m/m)
		Milk protein in milk solids not fat (m/m)
		Titration acidity (ml 0.1N NaOH /10 gm solids not fat)
		Solubility %
		Total ash on dry weight basis
		<b>Partly skimmed milk powder</b>
		Moisture (m/m)

Std. Nos.	Categories	Parameters
		Milk fat (m/m)
		Milk protein in milk solids not fat (m/m)
		Titration acidity (ml 0.1N NaOH /10 gm solids not fat)
		Solubility %
		Total ash on dry weight basis
		<b>Skimmed milk powder</b>
		Moisture (m/m)
		Milk fat (m/m)
		Milk protein in milk solids not fat (m/m)
		Titration acidity (ml 0.1N NaOH /10 gm solids not fat)
		Solubility %
		Total ash on dry weight basis
		<b>Microbiological Parameters</b>
		Total plate count
		Coliform count
		<i>E.coli</i>
		<i>Salmonella</i> spp
		<i>S. aureus</i>
		Aerobic spore count ( <i>B. cereus</i> )
		Anaerobic spore count ( <i>Clostridium perfringens</i> )
		<i>Listeria monocytogenes</i>
		<b>Metal Contaminants</b>
		Arsenic
		Cadmium
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Zinc
		Lead
		Copper
		<b>Other Contaminants</b>
		Melamine
		<b>Pesticides</b>
		Aldrin, dieldrin (the limits apply to aldrin and dieldrin singly or in any combination and are expressed as dieldrin)
		Chlordane (residue to be measured as cis plus trans chlordane)
		D.D.T. (The limits apply to D.D.T., D.D.D. and D.D.E. singly or in any combination)
		Fenitrothion
		Heptachlor (combined residues of heptachlor and its epoxide to be

Std. Nos.	Categories	Parameters
		determined and expressed as Heptachlor)
		Hexachlorocycle hexane and its Isomers
		(c) Gamma ( $\gamma$ ) Isomer (Known as Lindane)
		Chlorienvinphos (Residues to be measured as alpha and beta isomers of Chlorienvinphos)
		Chlorpyrifos
		2,4D
		Ethion (Residues to be determined as ethion and its oxygen analogue and expressed as ethion)
		Monocrotophos
		Carbendazim
		Benomyl
		Carbofuran (sum of carbofuran and 3-hydroxy carbofuran expressed as carbofuran)
		Cypermethrin (sum of isomers) (fat soluble residue)
		Edifenphos
		Fenthion (sum of fenthion, its oxygen analogue and their sulphoxides and sulphones expressed as fenthion)
		Fenvalerate (fat soluble residue)
		Phenthoate
		Phorate (sum of Phorate, its oxygen analogue and their sulphoxides and sulphones, expressed as phorate)
		Pirimiphos-methyl
<b>2.1.9</b>	<b>FOODS FOR INFANT NUTRITION</b>	
<b>2.1.9.1</b>	<b>Infant milk food</b>	<b>General Parameters</b>
		Infant Milk Food means the product prepared by spray drying of the milk of cow or buffalo or a mixture thereof.
		Sample shall be free from lumps, any filthy, putrid, rotten, decomposed or diseased animal substance or vegetable substance, worms, weevils or insects
		Test for rancidity
		Test for starch
		Test for added preservatives (SO <sub>2</sub> , Benzoic acid)
		Test for Sorbic Acid, Sodium Potassium and Calcium sorbates expressed as sorbic acid

Std. Nos.	Categories	Parameters
		Test for antioxidants (BHA, TBHQ)
		Test for added Natural colour
		a. Curcumin
		b. Riboflavin
		c. Chlorophyll
		d. Beta carotene
		e. Carotene (Natural extract)
		f. Annatto extract on Bixin/Nor bixin basis(50:50 ratio)
		g. Beta apo-8 carotenal
		h. Methyl ester of Beta apo-8 carotenoic acid
		i. Ethyl ester of Beta apo-8 carotenoic acid
		j. Canthaxanthin
		k. Caramel colours(Plain)
		l. Caramel colours(Ammonium Sulphite process)
		Test for Synthetic colors : Singly or in combination)
		a. Ponceau 4R
		b. Carmoisine
		c. Erythrosine
		d. Tartrazine
		e. Sunset Yellow FCF
		f. Indigo carmine
		g. Brilliant blue FCF
		h. Fast green FCF
		Test for Artificial Sweeteners
		a. Aspartame
		b. Acesulfame-K
		c. Saccharin
		d. Sucralose
		e. Sorbitol
		<b>Quality Parameters</b>
		Moisture
		Total milk protein
		Milk fat
		Total ash
		Ash insoluble in dilute HCL
		Solubility % by wt.
		Solubility Index
		Vitamin A (as retinol) µg per 100 g
		Vitamin D (expressed as Cholecalciferol or Ergocalciferol) µg per 100g
		Vitamin C mg per 100 g
		Thiamine µg per 100 g

Std. Nos.	Categories	Parameters
		Riboflavin µg per 100 g
		Niacin µg per 100 g
		Pyridoxine µg per 100 g
		Folic acid µg per 100 g
		Pantothenic acid mg per 100 g
		Vitamin B12 µg per 100 g
		Choline mg per 100 g
		Vitamin K µg per 100 g
		Biotin µg per 100 g
		Sodium mg per 100 g
		Potassium mg per 100 g
		Chloride mg per 100 g
		Calcium mg per 100 g
		Phosphorous mg per 100 g
		Magnesium mg per 100 g
		Iron mg per 100 g
		Iodine µg per 100 g
		Copper µg per 100 g
		Zinc mg per 100 g
		Manganese µg per 100 g
		Selenium µg per 100 g
		<b>Microbiological Parameters</b>
		Bacterial count
		Coliform count
		Yeast & mould count
		Salmonella
		Shigella
		<i>E.coli</i>
		<i>S. aureus</i>
		<b>Metal Contaminants</b>
		Arsenic
		Cadmium
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Zinc
		Lead
		Copper
		<b>Other contaminants</b>
		Melamine

Std. Nos.	Categories	Parameters
		<b>Pesticides</b>
		Aldrin, dieldrin (the limits apply to aldrin and dieldrin singly or in any combination and are expressed as dieldrin)
		Chlordane (residue to be measured as cis plus trans chlordane)
		D.D.T. (The limits apply to D.D.T., D.D.D. and D.D.E. singly or in any combination)
		Fenitrothion
		Heptachlor (combined residues of heptachlor and its epoxide to be determined and expressed as Heptachlor)
		Hexachlorocyclohexane and its Isomers
		( $\gamma$ ) Isomer (Known as Lindane)
		Chlorienvinphos (Residues to be measured as alpha and beta isomers of Chlorienvinphos)
		Chlorpyrifos
		2,4D
		Ethion (Residues to be determined as ethion and its oxygen analogue and expressed as ethion)
		Monocrotophos
		Carbendazim
		Benomyl
		Carbofuran (sum of carbofuran and 3-hydroxy carbofuran expressed as carbofuran)
		Cypermethrin (sum of isomers) (fat soluble residue)
		Edifenphos
		Fenthion (sum of fenthion, its oxygen analogue and their sulphoxides and sulphones expressed as fenthion)
		Fenvalerate (fat soluble residue)
		Phenthoate
		Phorate (sum of Phorate, its oxygen analogue and their sulphoxides and sulphones, expressed as phorate)
		Pirimiphos-methyl
<b>2.1.9.2</b>	<b>Infant formula</b>	<b>General Parameters</b>
		Infant Formula means the product prepared by spray drying of the milk of cow or buffalo or a mixture thereof.
		Sample shall be free from lumps, any filthy, putrid, rotten, decomposed or diseased animal substance or vegetable substance,

Std. Nos.	Categories	Parameters
		worms, weevils or insects
		Test for rancidity
		Test for starch
		Test for added preservatives (SO <sub>2</sub> , Benzoic acid)
		Test for Sorbic Acid, Sodium Potassium and Calcium sorbates expressed as sorbic acid
		Test for antioxidants (BHA, TBHQ, ascorbyl palmitate)
		Test for added Natural colour
		a. Curcumin
		b. Riboflavin
		c. Chlorophyll
		d. Beta carotene
		e. Carotene (Natural extract)
		f. Annatto extract on Bixin/Nor bixin basis(50:50 ratio)
		g. Beta apo-8 carotenal
		h. Methyl ester of Beta apo-8 carotenoic acid
		i. Ethyl ester of Beta apo-8 carotenoic acid
		j. Canthaxanthin
		k. Caramel colours(Plain)
		l. Caramel colours(Ammonium Sulphite process)
		Test for Synthetic colors : Singly or in combination)
		a. Ponceau 4R
		b. Carmoisine
		c. Erythrosine
		d. Tartrazine
		e. Sunset Yellow FCF
		f. Indigo carmine
		g. Brilliant blue FCF
		h. Fast green FCF
		Test for Artificial Sweeteners
		a. Aspartame
		b. Acesulfame-K
		c. Saccharin
		d. Sucralose
		e. Sorbitol
		a. Powdered Infant Formula
		b. Liquid Infant Formula
		<b>Quality Parameters</b>
		Moisture

Std. Nos.	Categories	Parameters
		Total milk protein
		Milk fat
		Total Fat
		Linoleate per 100 gram
		Total ash
		Ash insoluble in dilute HCL
		Solubility %
		Solubility Index
		Vitamin A (as retinol) µg per 100 g
		Vitamin D (expressed as Cholecalciferol or Ergocalciferol) µg per 100g
		Vitamin C mg per 100 g
		Thiamine µg per 100 g
		Riboflavin µg per 100 g
		Niacin µg per 100 g
		Pyridoxine µg per 100 g
		Folic acid µg per 100 g
		Pantothenic acid mg per 100 g
		Vitamin B12 µg per 100 g
		Choline mg per 100 g
		Vitamin K µg per 100 g
		Biotin µg per 100 g
		Vitamin E (as a-tocopherol compounds) IU per 100g
		Vitamin E per 100 Kcal (when determined as per the method given in IS 7235)
		Sodium mg per 100 g
		Potassium mg per 100 g
		Chloride mg per 100 g
		Calcium mg per 100 g
		Phosphorous mg per 100 g
		Magnesium mg per 100 g
		Iron mg per 100 g
		Iodine µg per 100 g
		Copper µg per 100 g
		Zinc mg per 100 g
		Manganese µg per 100 g
		Selenium µg per 100 g
		<b>Microbiological Parameters</b>
		Bacterial count
		Coliform count

Std. Nos.	Categories	Parameters
		Yeast & mould count
		<i>Salmonella</i>
		<i>Shigella</i>
		<i>E.coli</i>
		<i>S. aureus</i>
		<b>Metal contaminants</b>
		Arsenic
		Cadmium
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Zinc
		Lead
		Copper
		<b>Other contaminants</b>
		Melamine (infant formula)
		Melamine (liquid infant formula)
		<b>Pesticides</b>
		Aldrin, dieldrin (the limits apply to aldrin and dieldrin singly or in any combination and are expressed as dieldrin)
		Chlordane (residue to be measured as cis plus trans chlordane)
		D.D.T. (The limits apply to D.D.T., D.D.D. and D.D.E. singly or in any combination)
		Fenitrothion
		Heptachlor (combined residues of heptachlor and its epoxide to be determined and expressed as Heptachlor)
		Hexachlorocyclohexane and its Isomers
		(c) Gamma ( $\gamma$ ) Isomer (Known as Lindane)
		Chlorienvinphos (Residues to be measured as alpha and beta isomers of Chlorienvinphos)
		Chlorpyrifos
		2,4D
		Ethion (Residues to be determined as ethion and its oxygen analogue and expressed as ethion)
		Monocrotophos
		Carbendazim
		Benomyl
		Carbofuran (sum of carbofuran and 3-hydroxy carbofuran expressed

Std. Nos.	Categories	Parameters
		as carbofuran)
		Cypermethrin (sum of isomers) (fat soluble residue)
		Edifenphos
		Fenthion (sum of fenthion, its oxygen analogue and their sulphoxides and sulphones expressed as fenthion)
		Fenvalerate (fat soluble residue)
		Phenthoate
		Phorate (sum of Phorate, its oxygenanalogue and theirsulphoxides and sulphones,expressed as phorate)
		Pirimiphos-methyl
	<b>Premature/Low birth weight infant milk substitutes Shall meet all the requirements of 2.1.9.2 in addition to the following</b>	
		Protein
		Mineral content
		Calcium :Phosphorus ratio
		Sodium ,Potassium and chloride combined together
		Whey: Casein ratio
	<b>Lactose free infant milk substitute Shall meet all the requirements of 2.1.9.2 in addition to the following</b>	
		Have carbohydrates as glucose, dextrose, maltodextrin, maltose and sucrose
		Soy protein-based based formula shall have soy protein and carbohydrates as glucose, dextrose, maltodextrin, maltose and sucrose
	<b>Provided also that the lactose free or lactose and sucrose free or sucrose free infant milk substitutes shall conform to the following requirements,except the requirements of milk protein and milk fat,in the following manner,namely:</b>	
		a).Total protein,percent by weight shall not be less than 10% and not more than 16 % b).Total fat,percent by weight shall not be less than 18 %. c) The lactose in the product claimed to be lactose free shall not exceed 0.05 %.
	<b>Hypoallergenic infant milk substitute Shall meet all the requirements of 2.1.9.2 in addition to the following</b>	
		Protein shall be hydrolysed whey or casein or 100 % free amino acids as protein source
<b>2.1.9.3</b>	<b>Milk-cereal based complementary food</b>	<b>General Parameters</b>

Std. Nos.	Categories	Parameters
		Milk-cereal based complementary food milk-cereal based complementary food commonly called as weaning food or supplementary food means foods based on milk, cereal and/or legumes (pulses), soyabean, millets, nuts and edible oil seeds, processed to low moisture content and so fragmented as to permit dilution with water, milk or other suitable medium. It may also include amino acids such as lysine, methionine, taurine, carnitine etc.
		Sample shall be free from lumps, any filthy, putrid, rotten, decomposed or diseased animal substance or vegetable substance, worms, weevils or insects
		Test for rancidity
		Test for added preservatives (SO <sub>2</sub> , Benzoic acid)
		Test for Sorbic Acid, Sodium Potassium and Calcium sorbates expressed as sorbic acid
		Test for antioxidants (BHA, TBHQ, ascorbyl palmitate)
		Test for added Natural colour
		a. Curcumin
		b. Riboflavin
		c. Chlorophyll
		d. Beta carotene
		e. Carotene (Natural extract)
		f. Annatto extract on Bixin/Nor bixin basis(50:50 ratio)
		g. Beta apo-8 carotenal
		h. Methyl ester of Beta apo-8 carotenoic acid
		Ethyl ester of Beta apo-8 carotenoic acid
		i. Canthaxanthin
		j. Caramel colours(Plain)
		k. Caramel colours(Ammonium Sulphite process)
		Test for Synthetic colors : Singly or in combination)
		a. Ponceau 4R
		b. Carmoisine
		c. Erythrosine
		d. Tartrazine
		e. Sunset Yellow FCF
		f. Indigo carmine
		g. Brilliant blue FCF
		h. Fast green FCF
		Test for Artificial Sweeteners
		a. Aspartame
		b. Acesulfame-K
		c. Saccharin
		d. Sucralose

Std. Nos.	Categories	Parameters
		e. Sorbitol
		Trans Fatty Acids
		<b>Quality Parameters</b>
		Moisture
		Fungal alfa amylase
		Total protein
		Fat
		Total carbohydrate
		Total ash
		Ash insoluble in dilute HCL
		Crude fibre (on dry basis)
		Vitamin A (as retinol) µg per 100 g
		Added Vitamin D (expressed as Cholecalciferol or Ergocalciferol) µg per 100g
		Vitamin C mg per 100 g
		Thiamine (as hydrochloride), mg per 100 g
		Riboflavin mg per 100 g
		Niacin mg per 100 g
		Folic acid µg per 100 g
		Iron mg per 100 g
		Zinc mg per 100 g
		<b>Microbiological Parameters</b>
		Bacterial count
		Coliform count
		Yeast & mould count
		<i>Salmonella</i>
		<i>Shigella</i>
		<i>E.coli</i>
		<i>S. aureus</i>
		<b>Metal contaminants</b>
		Lead
		Copper
		Arsenic
		Tin
		Zinc
		Cadmium
		Mercury
		Methyl Mercury calculated as the element

Std. Nos.	Categories	Parameters
		<b>Other contaminants</b>
		Melamine
		<b>Pesticides</b>
		Aldrin, dieldrin (the limits apply to aldrin and dieldrin singly or in any combination and are expressed as dieldrin)
		Chlordane (residue to be measured as cis plus trans chlordane)
		D.D.T. (The limits apply to D.D.T., D.D.D. and D.D.E. singly or in any combination)
		Fenitrothion
		Heptachlor (combined residues of heptachlor and its epoxide to be determined and expressed as Heptachlor)
		Hexachlorocyclohexane and its Isomers
		(c) Gamma ( $\gamma$ ) Isomer (Known as Lindane)
		Chlorienvinphos (Residues to be measured as alpha and beta isomers of Chlorienvinphos)
		Chlorpyrifos
		2,4D
		Ethion (Residues to be determined as ethion and its oxygen analogue and expressed as ethion)
		Monocrotophos
		Carbendazim
		Benomyl
		Carbofuran (sum of carbofuran and 3-hydroxy carbofuran expressed as carbofuran)
		Cypermethrin (sum of isomers) (fat soluble residue)
		Edifenphos
		Fenthion (sum of fenthion, its oxygen analogue and their sulphoxides and sulphones expressed as fenthion)
		Fenvalerate (fat soluble residue)
		Phenthoate
		Phorate (sum of Phorate, its oxygen analogue and their sulphoxides and sulphones, expressed as phorate)
		Pirimiphos-methyl
2.1.9.4	Processed cereal based complementary	<b>General Parameters</b>

Std. Nos.	Categories	Parameters
	food	
		Processed cereal based complementary food commonly called as weaning food or supplementary food means foods based on cereal and/or legumes (pulses), soyabean, millets, nuts and edible oil seeds, processed to low moisture content and so fragmented as to permit dilution with water, milk or other suitable medium. It shall contain milled cereal and legumes combined not less than 75 percent.
		Sample shall be free from lumps, any filthy, putrid, rotten, decomposed or diseased animal substance or vegetable substance, worms, weevils or insects
		Test for rancidity
		Test for added preservatives (SO <sub>2</sub> , Benzoic acid)
		Test for Sorbic Acid, Sodium Potassium and Calcium sorbates expressed as sorbic acid
		Test for antioxidants (BHA, TBHQ, ascorbyl palmitate)
		Test for added Natural colour
		a. Curcumin
		b. Riboflavin
		c. Chlorophyll
		d. Beta carotene
		e. Carotene (Natural extract)
		f. Annatto extract on Bixin/Nor bixin basis(50:50 ratio)
		g. Beta apo-8 carotenal
		h. Methyl ester of Beta apo-8 carotenoic acid
		i. Canthaxanthin
		j. Caramel colours(Plain)
		k. Caramel colours(Ammonium Sulphite process)
		Test for Synthetic colors : Singly or in combination)
		a. Ponceau 4R
		b. Carmoisine
		c. Erythrosine
		d. Tartrazine
		e. Sunset Yellow FCF
		f. Indigo carmine
		g. Brilliant blue FCF
		h. Fast green FCF
		Test for Artificial Sweeteners
		a. Aspartame
		b. Acesulfame-K
		c. Saccharin
		d. Sucralose

Std. Nos.	Categories	Parameters
		e. Sorbitol
		Trans Fatty Acids
		<b>Quality Parameters</b>
		Moisture
		Total protein
		PER of protein
		Total carbohydrate
		Total ash
		Ash insoluble in dilute HCL
		Crude fibre (on dry basis)
		Sodium
		Vitamin A (as retinol) µg per 100 g
		Vitamin D (expressed as Cholecalciferol or Ergocalciferol) µg per 100g
		Vitamin C mg per 100 g
		Thiamine (as hydrochloride), mg per 100 g
		Riboflavin mg per 100 g
		Niacin mg per 100 g
		Folic acid µg per 100 g
		Iron mg per 100 g
		Zinc mg per 100 g
		<b>Microbiological Parameters</b>
		Bacterial count
		Coliform count
		Yeast & mould count
		Salmonella
		Shigella
		<i>E.coli</i>
		<i>S. aureus</i>
		<b>Metal contaminants</b>
		Lead
		Copper
		Arsenic
		Tin
		Zinc
		Cadmium
		Mercury
		Methyl Mercury calculated as the element
		<b>Other contaminants</b>

Std. Nos.	Categories	Parameters
		Melamine
2.1.9.5	Follow-up formula-complementary food	<b>General Parameters</b>
		Follow-Up Formula-Complementary Food" means the product prepared by spray drying of the milk of cow or buffalos or mixture thereof. It may contain vegetable protein.
		Sample shall be free from lumps, any filthy, putrid, rotten, decomposed or diseased animal substance or vegetable substance, worms, weevils or insects
		Test for rancidity
		Test for added preservatives (SO <sub>2</sub> , Benzoic acid)
		Test for Sorbic Acid, Sodium Potassium and Calcium sorbates expressed as sorbic acid
		Test for antioxidants (BHA, TBHQ, ascorbyl palmitate)
		Test for added Natural colour
		a. Curcumin
		b. Riboflavin
		c. Chlorophyll
		d. Beta carotene
		e. Carotene (Natural extract)
		f. Annatto extract on Bixin/Nor bixin basis(50:50 ratio)
		g. Beta apo-8 carotenal
		h. Methyl ester of Beta apo-8 carotenoic acid
		i. Canthaxanthin
		j. Caramel colours(Plain)
		k. Caramel colours(Ammonium Sulphite process)
		Test for Synthetic colors : Singly or in combination)
		a. Ponceau 4R
		b. Carmoisine
		c. Erythrosine
		d. Tartrazine
		e. Sunset Yellow FCF
		f. Indigo carmine
		g. Brilliant blue FCF
		h. Fast green FCF
		Test for Artificial Sweeteners
		a. Aspartame
		b. Acesulfame-K
		c. Saccharin

Std. Nos.	Categories	Parameters
		d. Sucralose
		e. Sorbitol
		Trans Fatty Acids
		<b>Quality Parameters</b>
		Moisture
		Total milk protein
		Total fat
		Linoleate (per 100 gm)
		Total Ash
		Ash insoluble in dilute HCL
		Solubility % by wt.
		Solubility Index
		Vitamin A (as retinol (µg per 100g)
		Vitamin D (expressed as Cholecalciferol or Ergocalciferol) µg per 100g
		Vitamin C mg per 100 g
		Thiamine µg per 100 g
		Riboflavin µg per 100 g
		Niacin µg per 100 g
		Pyridoxine µg per 100 g
		Folic acid µg per 100 g
		Pantothenic acid mg per 100 g
		Vitamin B12 µg per 100 g
		Choline mg per 100 g
		Vitamin K µg per 100 g
		Biotin µg per 100 g
		Vitamin E (as a-tocopherol compounds) IU per 100g
		Sodium mg per 100 g
		Potassium mg per 100 g
		Chloride mg per 100 g
		Calcium mg per 100 g
		Phosphorous mg per 100 g
		Magnesium mg per 100 g
		Iron mg per 100 g
		Iodine µg per 100 g
		Copper µg per 100 g
		Zinc mg per 100 g
		Manganese µg per 100 g
		Selenium µg per 100 g

Std. Nos.	Categories	Parameters
		<b>Microbiological Parameters</b>
		Bacterial count
		Coliform count
		Yeast & mould count
		Salmonella
		Shigella
		<i>E.coli</i>
		S. aureus
		<b>Metal contaminants</b>
		Lead
		Copper
		Arsenic
		Tin
		Zinc
		Cadmium
		Mercury
		Methyl Mercury calculated as the element
		<b>Other Contaminants</b>
		Melamine
		<b>Pesticides</b>
		Aldrin, dieldrin (the limits apply to aldrin and dieldrin singly or in any combination and are expressed as dieldrin)
		Chlordane (residue to be measured as cis plus trans chlordane)
		D.D.T. (The limits apply to D.D.T., D.D.D. and D.D.E. singly or in any combination)
		Fenitrothion
		Heptachlor (combined residues of heptachlor and its epoxide to be determined and expressed as Heptachlor)
		Hexachlorocyclohexane and its Isomers
		(c) Gamma ( $\gamma$ ) Isomer (Known as Lindane)
		Chlorienvinphos (Residues to be measured as alpha and beta isomers of Chlorienvinphos)
		Chlorpyrifos
		2,4D
		Ethion (Residues to be determined as ethion and its oxygen analogue and expressed as ethion)
		Monocrotophos
		Carbendazim

Std. Nos.	Categories	Parameters
		Benomyl
		Carbofuran (sum of carbofuran and 3-hydroxy carbofuran expressed as carbofuran)
		Cypermethrin (sum of isomers) (fat soluble residue)
		Edifenphos
		Fenthion (sum of fenthion, its oxygen analogue and their sulphoxides and sulphones expressed as fenthion)
		Fenvalerate (fat soluble residue)
		Phenthoate
		Phorate (sum of Phorate, its oxygenanalogue and theirsulphoxides and sulphones,expressed as phorate)
		Pirimiphos-methyl
<b>2.1.10</b>	<b>BUTTER, GHEE &amp; MILK FATS</b>	
<b>2.1.10.1</b>	<b>Table butter</b>	<b>General Parameters</b>
		Butter means the fatty product derived exclusively from milk of Cow and/or Buffalo or its products principally in the form of an emulsion of the type water-in-oil. The product may be with or without added common salt and starter cultures of harmless lactic acid and / or flavour producing bacteria. Table butter shall be obtained from pasteurised milk and/ or other milk products.
		Sample shall be free from any filthy, putrid, rotten, decomposed or diseased animal substance or vegetable substance, worms, weevils or insects
		Test for rancidity
		Vegetable oil and fat
		Animal body fat
		Test for mineral oil
		Test for added preservatives (SO <sub>2</sub> , Benzoic acid)
		Test for Sorbic Acid,Sodium Potassium and Calcium sorbates expressed as sorbic acid
		Test for antioxidants :BHA
		Test for antioxidants :TBHQ
		Test for added Natural colour
		a. Curcumin
		b. Riboflavin
		c. Chlorophyll
		d. Beta carotene
		e. Carotene(Natural extract)

Std. Nos.	Categories	Parameters
		f. Annatto extract on Bixin/Nor bixin basis(50:50 ratio)
		g. Beta apo-8 carotenal
		h. Methyl ester of Beta apo-8 carotenoic acid
		i. Ethyl ester of Beta apo-8 carotenoic acid
		j. Canthaxanthin
		k. Caramel colours(Plain)
		l. Caramel colours(Ammonium Sulphite process)
		Test for Synthetic colors : Singly or in combination)
		a. Ponceau 4R
		b. Carmoisine
		c. Erythrosine
		d. Tartrazine
		e. Sunset Yellow FCF
		f. Indigo carmine
		g. Brilliant blue FCF
		h. Fast green FCF
		<b>Quality Parameters</b>
		<b>Table butter</b>
		Moisture (m/m)
		Milk fat (m/m)
		Milk solids not fat (m/m)
		Common salt (m/m)
		<b>Desi cooking Butter</b>
		Milk fat (m/m)
		<b>Microbiological Parameters</b>
		<b>For Pasteurised Table Butter</b>
		Total plate count
		Coliform count
		<i>E.coli</i>
		<i>Salmonella spp</i>
		<i>S. aureus</i>
		Yeast & mould count
		<i>Listeria monocytogenes</i>
		<b>Metal contaminants</b>
		Lead
		Copper
		Arsenic
		Tin
		Zinc
		Cadmium
		Mercury
		Methyl Mercury calculated as the element

Std. Nos.	Categories	Parameters
		<b>Other Contaminants</b>
		Melamine
		<b>Pesticides</b>
		Aldrin, dieldrin (the limits apply to aldrin and dieldrin singly or in any combination and are expressed as dieldrin)
		Chlordane (residue to be measured as cis plus trans chlordane)
		D.D.T. (The limits apply to D.D.T., D.D.D. and D.D.E. singly or in any combination)
		Fenitrothion
		Heptachlor (combined residues of heptachlor and its epoxide to be determined and expressed as Heptachlor)
		Hexachlorocyclohexane and its Isomers
		(c) Gamma ( $\gamma$ ) Isomer (Known as Lindane)
		Chlorienvinphos (Residues to be measured as alpha and beta isomers of Chlorienvinphos)
		Chlorpyrifos
		2,4D
		Ethion (Residues to be determined as ethion and its oxygen analogue and expressed as ethion)
		Monocrotophos
		Carbendazim
		Benomyl
		Carbofuran (sum of carbofuran and 3-hydroxy carbofuran expressed as carbofuran)
		Cypermethrin (sum of isomers) (fat soluble residue)
		Edifenphos
		Fenthion (sum of fenthion, its oxygen analogue and their sulphoxides and sulphones expressed as fenthion)
		Fenvalerate (fat soluble residue)
		Phenthoate
		Phorate (sum of Phorate, its oxygen analogue and their sulphoxides and sulphones, expressed as phorate)
		Pirimiphos-methyl
<b>2.1.10.2</b>	<b>Ghee</b>	<b>General Parameters</b>
		Ghee means the pure clarified fat derived solely from milk or curd or from desi (cooking) butter or from cream.

Std. Nos.	Categories	Parameters
		Sample shall be free from any filthy, putrid, rotten, decomposed or diseased animal substance or vegetable substance, worms, weevils or insects
		Test for rancidity
		Vegetable oil and fat
		Test for mineral oil
		Test for added preservatives (SO <sub>2</sub> , Benzoic acid)
		Test for Sorbic Acid, Sodium Potassium and Calcium sorbates expressed as sorbic acid
		Test for antioxidants :BHA
		Test for antioxidants :TBHQ
		Test for added Natural colour
		a. Curcumin
		b. Riboflavin
		c. Chlorophyll
		d. Beta carotene
		e. Carotene(Natural extract)
		f. Annatto extract on Bixin/Nor bixin basis(50:50 ratio)
		g. Beta apo-8 carotenal
		h. Methyl ester of Beta apo-8 carotenoic acid
		i. Canthaxanthin
		j. Caramel colours(Plain)
		k. Caramel colours(Ammonium Sulphite process)
		Test for Synthetic colors : Singly or in combination)
		a. Ponceau 4R
		b. Carmoisine
		c. Erythrosine
		d. Tartrazine
		e. Sunset Yellow FCF
		f. Indigo carmine
		g. Brilliant blue FCF
		h. Fast green FCF
		<b>Quality Parameters</b>
		Butyro Refractometer reading at 40 °C
		Minimum Reichert value
		% of Free fatty acid as oleic acid
		% of Moisture
		Baudouin test
		<b>Metal contaminants</b>
		Lead
		Copper
		Arsenic

Std. Nos.	Categories	Parameters
		Tin
		Zinc
		Cadmium
		Mercury
		Methyl Mercury calculated as the element
		<b>Other Contaminants</b>
		Melamine
		<b>Pesticides</b>
		Aldrin, dieldrin (the limits apply to aldrin and dieldrin singly or in any combination and are expressed as dieldrin)
		Chlordane (residue to be measured as cis plus trans chlordane)
		D.D.T. (The limits apply to D.D.T., D.D.D. and D.D.E. singly or in any combination)
		Fenitrothion
		Heptachlor (combined residues of heptachlor and its epoxide to be determined and expressed as Heptachlor)
		Hexachlorocyclohexane and its Isomers
		(c) Gamma ( $\gamma$ ) Isomer (Known as Lindane)
		Chlorienvinphos (Residues to be measured as alpha and beta isomers of Chlorienvinphos)
		Chlorpyrifos
		2,4D
		Ethion (Residues to be determined as ethion and its oxygen analogue and expressed as ethion)
		Monocrotophos
		Carbendazim
		Benomyl
		Carbofuran (sum of carbofuran and 3-hydroxy carbofuran expressed as carbofuran)
		Cypermethrin (sum of isomers) (fat soluble residue)
		Edifenphos
		Fenthion (sum of fenthion, its oxygen analogue and their sulphoxides and sulphones expressed as fenthion)
		Fenvalerate (fat soluble residue)
		Phenthoate
		Phorate (sum of Phorate, its oxygen analogue and their sulphoxides and sulphones, expressed as phorate)
		Pirimiphos-methyl

Std. Nos.	Categories	Parameters
2.1.10.3	Milk fat/ butter oil and anhydrous milk fat/ butter oil	<b>General Parameters</b>
		Milk fat / Anhydrous Butter oil means the fatty products derived exclusively from milk and/ or products obtained from milk by means of process which result in almost total removal of water and milk solids not fat.
		Sample shall be free from any filthy, putrid, rotten, decomposed or diseased animal substance or vegetable substance, worms, weevils or insects
		Test for rancidity
		Vegetable oil and fat
		Test for animal body fat
		Test for mineral oil
		Test for Starch
		Test for added preservatives (SO <sub>2</sub> , Benzoic acid)
		Test for Sorbic Acid, Sodium Potassium and Calcium sorbates expressed as sorbic acid
		Test for antioxidants :BHA
		Test for antioxidants :TBHQ
		Test for added Natural colour
		a. Curcumin
		b. Riboflavin
		c. Chlorophyll
		d. Beta carotene
		e. Carotene(Natural extract)
		f. Annatto extract on Bixin/Nor bixin basis(50:50 ratio)
		g. Beta apo-8 carotenal
		h. Methyl ester of Beta apo-8 carotenoic acid
		i. Canthaxanthin
		j. Caramel colours(Plain)
		k. Caramel colours(Ammonium Sulphite process)
		Test for Synthetic colors : Singly or in combination)
		a. Ponceau 4R
		b. Carmoisine
		c. Erythrosine
		d. Tartrazine
		e. Sunset Yellow FCF
		f. Indigo carmine
		g. Brilliant blue FCF
		h. Fast green FCF

Std. Nos.	Categories	Parameters
		<b>Quality Parameters</b>
		<b>Milk fat / butter oil</b>
		Butyro Refractometer reading at 40 °C
		Moisture (m/m)
		Milk fat (m/m)
		Reichert value
		Free fatty acid as oleic acid
		Peroxide value (milli eqvt of Oxygen/ Kg fat)
		Boudouin Test
		<b>Anhydrous milk fat / anhydrous butter oil</b>
		Butyro Refractometer reading at 40°C
		Moisture (m/m)
		Milk fat (m/m)
		Reichert value
		Free fatty acid as oleic acid
		Peroxide value (milli eqvt of Oxygen/ Kg fat)
		Boudouin Test
		<b>Metal contaminants</b>
		Lead
		Copper
		Arsenic
		Tin
		Zinc
		Cadmium
		Mercury
		Methyl Mercury calculated as the element
		<b>Other Contaminants</b>
		Melamine
		<b>Pesticides</b>
		Aldrin, dieldrin (the limits apply to aldrin and dieldrin singly or in any combination and are expressed as dieldrin)
		Chlordane (residue to be measured as cis plus trans chlordane)
		D.D.T. (The limits apply to D.D.T., D.D.D. and D.D.E. singly or in any combination)
		Fenitrothion
		Heptachlor (combined residues of heptachlor and its epoxide to be determined and expressed as Heptachlor)
		Hexachlorocyclohexane and its Isomers
		(c) Gamma (γ) Isomer (Known as Lindane)
		Chlorienvinphos (Residues to be measured as alpha and beta isomers of Chlorienvinphos)

Std. Nos.	Categories	Parameters
		Chlorpyrifos
		2,4D
		Ethion (Residues to be determined as ethion and its oxygen analogue and expressed as ethion)
		Monocrotophos
		Carbendazim
		Benomyl
		Carbofuran (sum of carbofuran and 3-hydroxy carbofuran expressed as carbofuran)
		Cypermethrin (sum of isomers) (fat soluble residue)
		Edifenphos
		Fenthion (sum of fenthion, its oxygen analogue and their sulphoxides and sulphones expressed as fenthion)
		Fenvalerate (fat soluble residue)
		Phenthoate
		Phorate (sum of Phorate, its oxygen analogue and their sulphoxides and sulphones, expressed as phorate)
		Pirimiphos-methyl
<b>2.1.11</b>	<b>CHAKKA AND SHRIKHAND</b>	
<b>2.1.11.1</b>	<b>Chakka</b>	<b>General Parameters</b>
		Chakka-means a white to pale yellow semi-solid product of good texture and uniform consistency obtained by draining off the whey from the Yoghurt obtained by the lactic fermentation of cow's milk, buffalo's milk, skimmed milk.
		Sample shall be free from any filthy, putrid, rotten, decomposed or diseased animal substance or vegetable substance, worms, weevils or insects
		Should be free from mouldness and from signs of fat and or water seepage
		Test for rancidity
		Vegetable oil and fat
		Test for mineral oil
		Test for Starch
		Test for added preservatives (SO <sub>2</sub> , Benzoic acid)
		Test for Sorbic Acid, Sodium Potassium and Calcium sorbates expressed as sorbic acid
		Test for antioxidants :BHA

Std. Nos.	Categories	Parameters
		Test for antioxidants :TBHQ
		Test for added Natural colour
		a. Curcumin
		b. Riboflavin
		c. Chlorophyll
		d. Beta carotene
		e. Carotene(Natural extract)
		f. Annatto extract on Bixin/Nor bixin basis(50:50 ratio)
		g. Beta apo-8 carotenal
		h. Methyl ester of Beta apo-8 carotenoic acid
		Ethyl ester of Beta apo-8 carotenoic acid
		i. Canthaxanthin
		j. Caramel colours(Plain)
		k. Caramel colours(Ammonium Sulphite process)
		Test for Synthetic colors : Singly or in combination)
		a. Ponceau 4R
		b. Carmoisine
		c. Erythrosine
		d. Tartrazine
		e. Sunset Yellow FCF
		f. Indigo carmine
		g. Brilliant blue FCF
		h. Fast green FCF
		<b>Quality Parameters</b>
		<b>Chakka</b>
		Total solids
		Milk fat (on dry basis)
		Milk protein (on dry basis)
		Titration acidity (as lactic acid)
		Total ash (on dry basis)
		<b>Skimmed Milk Chakka</b>
		Total solids
		Milk fat (on dry basis)
		Milk protein (on dry basis)
		Titration acidity (as lactic acid)
		Total ash (on dry basis)
		<b>Full Cream Chakka</b>
		Total solids
		Milk fat (on dry basis)
		Milk protein (on dry basis)
		Titration acidity (as lactic acid)
		Total ash (on dry basis)

Std. Nos.	Categories	Parameters
		<b>Microbiological Parameters</b>
		Coliform count
		<i>E.coli</i>
		<i>Salmonella</i> spp
		<i>S. aureus</i>
		Yeast & mould count
		<i>Listeria monocytogenes</i>
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Tin
		Zinc
		Cadmium
		Mercury
		Methyl Mercury calculated as the element
		<b>Other Contaminants</b>
		Melamine
		<b>Pesticides</b>
		Aldrin, dieldrin (the limits apply to aldrin and dieldrin singly or in any combination and are expressed as dieldrin)
		Chlordane (residue to be measured as cis plus trans chlordane)
		D.D.T. (The limits apply to D.D.T., D.D.D. and D.D.E. singly or in any combination)
		Fenitrothion
		Heptachlor (combined residues of heptachlor and its epoxide to be determined and expressed as Heptachlor)
		Hexachlorocycle hexane and its Isomers
		(c) Gamma ( $\gamma$ ) Isomer (Known as Lindane)
		Chlorienvinphos(Residues to be measured as alpha and beta isomers of Chlorienvinphos)
		Chlorpyrifos
		2,4D
		Ethion (Residues to be determined as ethion and its oxygen analogue and expressed as ethion)
		Monocrotophos
		Carbendazim
		Benomyl

Std. Nos.	Categories	Parameters
		Carbofuran (sum of carbofuran and 3-hydroxy carbofuran expressed as carbofuran)
		Cypermethrin (sum of isomers) (fat soluble residue)
		Edifenphos
		Fenthion (sum of fenthion, its oxygen analogue and their sulphoxides and sulphones expressed as fenthion)
		Fenvalerate (fat soluble residue)
		Phenthoate
		Phorate (sum of Phorate, its oxygenanalogue and theirsulphoxides and sulphones,expressed as phorate)
		Pirimiphos-methyl
<b>2.1.11.2</b>	<b>Shrikhand</b>	<b>General Parameters</b>
		Shrikhand-means the product obtained from chakka or Skimmed Milk Chakka to which milk fat is added. It may contain fruits, nuts, sugar, cardamom, saffron and other spices.
		Sample shall be free from any filthy, putrid, rotten, decomposed or diseased animal substance or vegetable substance, worms, weevils or insects
		Should be free from mouldness and from signs of fat and or water seepage
		Test for rancidity
		Vegetable oil and fat
		Test for mineral oil
		Test for Starch
		Test for added preservatives (SO <sub>2</sub> , Benzoic acid)
		Test for Sorbic Acid, Sodium Potassium and Calcium sorbates expressed as sorbic acid
		Test for antioxidants :BHA
		Test for antioxidants :TBHQ
		Test for added Natural colour
		a. Curcumin
		b. Riboflavin
		c. Chlorophyll
		d. Beta carotene
		e. Carotene(Natural extract)
		f. Annatto extract on Bixin/Nor bixin basis(50:50 ratio)
		g. Beta apo-8 carotenal
		h. Methyl ester of Beta apo-8 carotenoic acid
		i. Ethyl ester of Beta apo-8 carotenoic acid
		j. Canthaxanthin
		k. Caramel colours(Plain)

Std. Nos.	Categories	Parameters
		I. Caramel colours(Ammonium Sulphite process)
		Test for Synthetic colors : Singly or in combination)
		a. Ponceau 4R
		b. Carmoisine
		c. Erythrosine
		d. Tartrazine
		e. Sunset Yellow FCF
		f. Indigo carmine
		g. Brilliant blue FCF
		h. Fast green FCF
		<b>Quality Parameters</b>
		<b>Shrikhand</b>
		Total solids
		Milk fat (on dry basis)
		Milk protein (on dry basis)
		Titration acidity (as lactic acid)
		Sugar (Sucrose) (On dry basis)
		Total ash (on dry basis)
		<b>Full Cream Shrikhand</b>
		Total solids
		Milk fat (on dry basis)
		Milk protein (on dry basis)
		Titration acidity (as lactic acid)
		Sugar (Sucrose) (On dry basis)
		Total ash (on dry basis)
		<b>Incase of fruits Shrikhand it shall contain Milk fat (on dry basis) Not less than 7 per cent and milk protein (on dry basis not less than 9.0 percent by weight</b>
		<b>Microbiological Parameters</b>
		Coliform count
		<i>E.coli</i>
		<i>Salmonella</i> spp
		<i>S. aureus</i>
		Yeast & mould count
		<i>Listeria monocytogenes</i>
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Tin
		Zinc
		Cadmium

Std. Nos.	Categories	Parameters
		Mercury
		Methyl Mercury calculated as the element
		<b>Other Contaminants</b>
		Melamine
		<b>Pesticides</b>
		Aldrin, dieldrin (the limits apply to aldrin and dieldrin singly or in any combination and are expressed as dieldrin)
		Chlordane (residue to be measured as cis plus trans chlordane)
		D.D.T. (The limits apply to D.D.T., D.D.D. and D.D.E. singly or in any combination)
		Fenitrothion
		Heptachlor (combined residues of heptachlor and its epoxide to be determined and expressed as Heptachlor)
		Hexachlorocyclohexane and its Isomers
		(c) Gamma ( $\gamma$ ) Isomer (Known as Lindane)
		Chlorienvinphos (Residues to be measured as alpha and beta isomers of Chlorienvinphos)
		Chlorpyrifos
		2,4D
		Ethion (Residues to be determined as ethion and its oxygen analogue and expressed as ethion)
		Monocrotophos
		Carbendazim
		Benomyl
		Carbofuran (sum of carbofuran and 3-hydroxy carbofuran expressed as carbofuran)
		Cypermethrin (sum of isomers) (fat soluble residue)
		Edifenphos
		Fenthion (sum of fenthion, its oxygen analogue and their sulphoxides and sulphones expressed as fenthion)
		Fenvalerate (fat soluble residue)
		Phenthoate
		Phorate (sum of Phorate, its oxygen analogue and their sulphoxides and sulphones, expressed as phorate)
		Pirimiphos-methyl
<b>2.1.12</b>	<b>FERMENTED</b>	

Std. Nos.	Categories	Parameters
	<b>MILK PRODUCTS</b>	
<b>2. 1.12.1</b>	<b>Yoghurt</b>	<b>General Parameters</b>
		Yoghurt means a coagulated product obtained from pasteurised or boiled milk or concentrated milk, pasteurised skimmed milk and /or pasteurised cream or a mixture of two or more of these products by lactic acid fermentation through the action of <i>Lactobacillus bulgaricus</i> and <i>Streptococcus thermophilus</i> .
		Sample shall be free from any filthy, putrid, rotten, decomposed or diseased animal substance or vegetable substance, worms, weevils or insects
		Should be free from mould and free from whey separation
		Test for rancidity
		Vegetable oil and fat
		Test for mineral oil
		Test for Starch
		Test for added preservatives (SO <sub>2</sub> , Benzoic acid)
		Test for Sorbic Acid, Sodium Potassium and Calcium sorbates expressed as sorbic acid
		Test for antioxidants :BHA
		Test for antioxidants :TBHQ
		Test for added Natural colour
		a. Curcumin
		b. Riboflavin
		c. Chlorophyll
		d. Beta carotene
		e. Carotene (Natural extract)
		f. Annatto extract on Bixin/Nor bixin basis(50:50 ratio)
		g. Beta apo-8carotenal
		h. Methylene ester of Beta apo-8 carotenoic acid
		i. Ethyl ester of Beta apo-8 carotenoic acid
		j. Canthaxanthin
		k. Caramel colours(Plain)
		l. Caramel colours(Ammonium sulphite process)
		Test for Synthetic colors : Singly or in combination)
		a. Ponceau 4R
		b. Carmoisine
		c. Erythrosine
		d. Tartrazine
		e. Sunset Yellow FCF
		f. Indigo carmine

Std. Nos.	Categories	Parameters
		g. Brilliant blue FCF
		h. Fast green FCF
		Test for Artificial Sweeteners
		a. Aspartame
		b. Acesulfame-K
		c. Saccharin
		d. Sucralose
		e. Sorbitol
		Test for Non Nutritive Sweetener
		d. Steviol Glycoside
		<b>Quality Parameters</b>
		<b>Yoghurt</b>
		Milk fat (m/m)
		Milk solid not fat (m/m)
		Milk protein (m/m)
		Sugar (m/m)
		Titration acidity as lactic acid
		<b>Partly skimmed yoghurt</b>
		Milk fat (m/m)
		Milk solid not fat (m/m)
		Milk protein (m/m)
		Sugar (m/m)
		Titration acidity as lactic acid
		<b>Skimmed yoghurt</b>
		Milk fat (m/m)
		Milk solid not fat (m/m)
		Milk protein (m/m)
		Sugar (m/m)
		Titration acidity as lactic acid
		<b>Sweetened Flavoured Yoghurt</b>
		Milk fat (m/m)
		Milk solid not fat (m/m)
		Milk protein (m/m)
		Sugar (m/m)
		Titration acidity as lactic acid
		<b>Fruit Yoghurt</b>
		Milk fat (m/m)

Std. Nos.	Categories	Parameters
		Milk solid not fat (m/m)
		Milk protein (m/m)
		Sugar (m/m)
		Titration acidity as lactic acid
		<b>Microbiological Parameters</b>
		Coliform count
		<i>E.coli</i>
		<i>Salmonella</i> spp
		<i>S. aureus</i>
		Yeast & mould count
		<i>Listeria monocytogenes</i>
		Lactic acid producing Bacterial Count
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Tin
		Zinc
		Cadmium
		Mercury
		Methyl Mercury calculated as the element
		<b>Other Contaminants</b>
		Melamine
		<b>Pesticides</b>
		Aldrin, dieldrin (the limits apply to aldrin and dieldrin singly or in any combination and are expressed as dieldrin)
		Chlordane (residue to be measured as cis plus trans chlordane)
		D.D.T. (The limits apply to D.D.T., D.D.D. and D.D.E. singly or in any combination)
		Fenitrothion
		Heptachlor (combined residues of heptachlor and its epoxide to be determined and expressed as Heptachlor)
		Hexachlorocyclohexane and its Isomers
		(c) Gamma ( $\gamma$ ) Isomer (Known as Lindane)
		Chlorienvinphos (Residues to be measured as alpha and beta isomers of Chlorienvinphos)
		Chlorpyrifos
		2,4D

Std. Nos.	Categories	Parameters
		Ethion (Residues to be determined as ethion and its oxygen analogue and expressed as ethion)
		Monocrotophos
		Carbendazim
		Benomyl
		Carbofuran (sum of carbofuran and 3-hydroxy carbofuran expressed as carbofuran)
		Cypermethrin (sum of isomers) (fat soluble residue)
		Edifenphos
		Fenthion (sum of fenthion, its oxygen analogue and their sulphoxides and sulphones expressed as fenthion)
		Fenvalerate (fat soluble residue)
		Phenthoate
		Phorate (sum of Phorate, its oxygen analogue and their sulphoxides and sulphones, expressed as phorate)
		Pirimiphos-methyl
<b>2.1.13</b>	<b>WHEY PRODUCTS</b>	
<b>2. 1.13.1</b>	<b>Whey Powder</b>	<b>General Parameters</b>
		Whey Powder means the product obtained by spray or roller drying sweet whey or acid whey from which major portion of milk fat has been removed. Sweet Whey means the fluid separated from the curd after the coagulation of milk, cream, skimmed milk or buttermilk in the manufacture of cheese, casein or similar products.
<b>2.1.13.2</b>	<b>Acid Whey</b>	Acid Whey is obtained after coagulation of milk, cream, skimmed milk or buttermilk, principally with acids of the types used for manufacture of edible acid casein, chhana, paneer, or fresh cheese.
		Sample shall be free from mould, any filthy, putrid, rotten, decomposed or diseased animal substance or vegetable substance, worms, weevils or insects
		Test for rancidity
		Vegetable oil and fat
		Test for mineral oil
		Test for Starch
		Test for added preservatives (SO <sub>2</sub> , Benzoic acid)
		Test for Sorbic Acid, Sodium Potassium and Calcium sorbates expressed as sorbic acid
		Test for antioxidants :BHA
		Test for antioxidants :TBHQ

Std. Nos.	Categories	Parameters
		Test for added Natural colour
		a. Curcumin
		b. Riboflavin
		c. Beta carotene
		d. Annatto extract on Bixin/Nor bixin basis(50:50 ratio)
		e. Beta apo-8carotenal
		f. Methylene ester of Beta apo-8 carotenoic acid
		g. Ethyl ester of Beta apo-8 carotenoic acid
		h. Canthaxanthin
		i. Caramel colours(Plain)
		j. Caramel colours(Ammonium sulphite process)
		Test for Synthetic colors : Singly or in combination)
		a. Ponceau 4R
		b. Carmoisine
		c. Erythrosine
		d. Tartrazine
		e. Sunset Yellow FCF
		f. Indigo carmine
		g. Brilliant blue FCF
		h. Fast green FCF
		Test for Artificial Sweeteners
		f. Aspartame
		g. Acesulfame-K
		h. Saccharin
		i. Sucralose
		j. Sorbitol
		<b>Quality Parameters</b>
		<b>1. Whey powder</b>
		Moisture
		Milk fat (m/m)
		Milk protein (N x 6.38) (m/m)
		Total ash (m/m)
		pH value (in 10.0% solution)
		Lactose content expressed as anhydrous Lactose (m/m)
		<b>2. Acid Whey</b>
		Moisture
		Milk fat (m/m)
		Milk protein (N x 6.38) (m/m)
		Total ash (m/m)
		pH value (in 10.0% solution)
		Lactose content expressed as anhydrous Lactose (m/m)

Std. Nos.	Categories	Parameters
		<b>Microbiological Parameters</b>
		Total plate count
		Coliform count
		<i>E.coli</i>
		<i>Salmonella</i> spp
		<i>S. aureus</i>
		Aerobic spore count ( <i>B. Cereus</i> )
		Anaerobic spore count ( <i>Clostridium perfringes</i> )
		<i>Listeria monocytogenes</i>
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Tin
		Zinc
		Cadmium
		Mercury
		Methyl Mercury calculated as the element
		<b>Other Contaminants</b>
		Melamine
		<b>Pesticides</b>
		Aldrin, dieldrin (the limits apply to aldrin and dieldrin singly or in any combination and are expressed as dieldrin)
		Chlordane (residue to be measured as cis plus trans chlordane)
		D.D.T. (The limits apply to D.D.T., D.D.D. and D.D.E. singly or in any combination)
		Fenitrothion
		Heptachlor (combined residues of heptachlor and its epoxide to be determined and expressed as Heptachlor)
		Hexachlorocycle hexane and its Isomers
		(c) Gamma ( $\gamma$ ) Isomer (Known as Lindane)
		Chlorienvinphos(Residues to be measured as alpha and beta isomers of Chlorienvinphos)
		Chlorpyrifos
		2,4D
		Ethion (Residues to be determined as ethion and its oxygen analogue and expressed as ethion)

Std. Nos.	Categories	Parameters
		Monocrotophos
		Carbendazim
		Benomyl
		Carbofuran (sum of carbofuran and 3-hydroxy carbofuran expressed as carbofuran)
		Cypermethrin (sum of isomers) (fat soluble residue)
		Edifenphos
		Fenthion (sum of fenthion, its oxygen analogue and their sulphoxides and sulphones expressed as fenthion)
		Fenvalerate (fat soluble residue)
		Phenthoate
		Phorate (sum of Phorate, its oxygenanalogue and theirsulphoxides and sulphones,expressed as phorate)
		Pirimiphos-methyl
<b>2.1.14</b>	<b>EDIBLE CASEIN PRODUCTS</b>	
<b>2. 1.14.1</b>	<b>Edible Casein Products</b>	<b>General Parameters</b>
		Edible Casein Products mean the products obtained by separating, washing and drying the coagulum of skimmed milk.
		Sample shall be free from mould, any filthy, putrid, rotten, decomposed or diseased animal substance or vegetable substance, worms, weevils or insects
		Test for rancidity
		Vegetable oil and fat
		Test for mineral oil
		Test for Starch
		Test for added preservatives (SO <sub>2</sub> , Benzoic acid)
		Test for Sorbic Acid,Sodium Potassium and Calcium sorbates expressed as sorbic acid
		Test for antioxidants :BHA
		Test for antioxidants :TBHQ
		Test for added Natural colour
		a. Curcumin
		b. Riboflavin
		c. Beta carotene
		d. Annatto extract on Bixin/Nor bixin basis(50:50 ratio)
		e. Beta apo-8carotenal
		f. Methylester of Beta apo-8 carotenoic acid

Std. Nos.	Categories	Parameters
		g. Ethyl ester of Beta apo-8 carotenoic acid
		h. Canthaxanthin
		i. Caramel colours(Plain)
		j. Caramel colours(Ammonium sulphite process)
		Test for Synthetic colors : Singly or in combination)
		a. Ponceau 4R
		b. Carmoisine
		c. Erythrosine
		d. Tartrazine
		e. Sunset Yellow FCF
		f. Indigo carmine
		g. Brilliant blue FCF
		h. Fast green FCF
		Test for Artificial Sweeteners
		<b>Quality Parameters</b>
2.1.14.2	Edible acid casein	Edible acid casein means the product obtained by separating, washing and drying the acid precipitated coagulum of skimmed milk.
		<b>Quality Parameters</b>
		Moisture (m/m)
		Milk fat (m/m)
		Milk protein (Nx6.38) on dry weight basis (m/m)
		Casein in protein (m/m)
		Ash including P <sub>2</sub> O <sub>5</sub> (m/m)
		Lactose (m/m)
		Free fatty Acid (ml/0.1N NaOH/gm)
2.1.14.3	Edible Non-animal rennet	Edible non-animal rennet casein means the product obtained after washing and drying the coagulum remaining after separating the whey from the skimmed milk which has been coagulated by non-animal rennet or by other coagulating enzymes.
		<b>Quality Parameters</b>
		Moisture (m/m)
		Milk fat (m/m)
		Milk protein (Nx6.38) on dry weight basis (m/m)
		Casein in protein (m/m)
		Ash including P <sub>2</sub> O <sub>5</sub> (m/m)
		Lactose (m/m)
2.1.14.3	Edible Caseinate	Edible caseinate means the dry product obtained by reaction of edible casein or fresh casein curd with food grade neutralising agents and which have been subjected to an appropriate heat treatment.
		<b>Quality Parameters</b>
		Moisture (m/m)

Std. Nos.	Categories	Parameters
		Milk fat (m/m)
		Milk protein (Nx6.38) on dry weight basis (m/m)
		Casein in protein (m/m)
		Lactose (m/m)
		pH value in 10% solution
		<b>Microbiological Parameters</b>
		Total plate count
		Coliform count
		<i>E.coli</i>
		<i>Salmonella</i> spp
		<i>S. aureus</i>
		Aerobic spore count ( <i>B. cereus</i> )
		Anaerobic spore count ( <i>Clostridium perfringes</i> )
		<i>Listeria monocytogenes</i>
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Tin
		Zinc
		Cadmium
		Mercury
		Methyl Mercury calculated as the element
		<b>Other Contaminants</b>
		Melamine
		<b>Pesticides</b>
		Aldrin, dieldrin (the limits apply to aldrin and dieldrin singly or in any combination and are expressed as dieldrin)
		Chlordane (residue to be measured as cis plus trans chlordane)
		D.D.T. (The limits apply to D.D.T., D.D.D. and D.D.E. singly or in any combination)
		Fenitrothion
		Heptachlor (combined residues of heptachlor and its epoxide to be determined and expressed as Heptachlor)
		Hexachlorocycle hexane and its Isomers
		(c) Gamma ( $\gamma$ ) Isomer (Known as Lindane)
		Chlorienvinphos(Residues to be measured as alpha and beta isomers of Chlorienvinphos)
		Chlorpyrifos

Std. Nos.	Categories	Parameters
		2,4D
		Ethion (Residues to be determined as ethion and its oxygen analogue and expressed as ethion)
		Monocrotophos
		Carbendazim
		Benomyl
		Carbofuran (sum of carbofuran and 3-hydroxy carbofuran expressed as carbofuran)
		Cypermethrin (sum of isomers) (fat soluble residue)
		Edifenphos
		Fenthion (sum of fenthion, its oxygen analogue and their sulphoxides and sulphones expressed as fenthion)
		Fenvalerate (fat soluble residue)
		Phenthoate
		Phorate (sum of Phorate, its oxygen analogue and their sulphoxides and sulphones, expressed as phorate)
		Pirimiphos-methyl

**\*Products should be free from all adulterants .**

# **Volume-2**

## **Fats, Oils and Fat Emulsions**

## TEST PARAMETERS FOR FATS, OILS AND FAT EMULSIONS

**In case the product contains any permitted additives as per Appendix A, the testing for the additive is also required to be carried out in addition to the prescribed parameters.**

**Test methods described in the manuals as amended and adopted by FSSAI from time to time shall only be used for analyzing the samples of Food Articles.**

**If the oil is obtained by the method of solvent extraction, or if the oil is imported into India it shall be supplied for human consumption only after refining.**

Std. Nos.	Categories	Parameters
<b>2.2</b>	<b>FATS, OILS AND FAT EMULSIONS</b>	
<b>2.2.1.1</b>	<b>Coconut Oil (Naryal Ka tel)</b>	<b>General Parameters</b>
		Coconut oil means oil expressed from copra obtained from the kernel of <i>Cocos nucifera</i> nuts. Sample shall be clear and free from rancidity, suspended or other foreign matter, separated water, flavouring substances.
		Test for mineral oil
		Test for Argemone oil
		Test for Castor oil
		Test for rancidity
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Saffron, Beta carotene, Carotene(Natural extract),Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Ethyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours(Plain), Caramel colours(Ammonium Sulphite process)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		Test for Preservatives Sorbic Acid, Sodium/ Potassium/ Calcium sorbate expressed as Sorbic acid, Benzoic acid, Sodium/ Potassium/ benzoate expressed as Benzoic acid
		Gallates (Ethyl, Propyl, Octyl, Dodecyl), individual or mixture thereof
		Test for antioxidant: Butylated Hydroxy Anisole(BHA)
		BHA in combination with gallates (Ethyl, Propyl, Octyl, Dodecyl),
		Test for antioxidant: TBHQ
		Ascorbyl palmitate/Stearate singly or in combination
		Dimethyl polysiloxane singly or in combination with silicon dioxide

Std. Nos.	Categories	Parameters
		Hexane (For solvent extracted Refined Oil)
		Refractive Index at 40 °C or Butyro-refractometer reading at 40 °C
		Saponification value
		Iodine value (Wij's method)
		Polenske Value
		Acid value
		Unsaponifiable matter
		Arsenic
		Cadmium
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Zinc
		Lead
		Copper
		Trichlorfon (For refined oil)
		Phenthoate
		Phorate (sum of Phorate, its oxygen analogue and their sulphoxides and sulphones, expressed as phorate)
<b>2.2.1.2</b>	<b>Cotton Seed Oil (Binola Ka Tel)</b>	
		Cotton seed oil means the oil extracted from clean, sound, delinted and decorticated cotton seeds (genus <i>Gossypium</i> ). Sample shall be clear and free from rancidity, suspended or other foreign matter, separated water, flavouring substances
		Test for mineral oil
		Test for Argemone oil
		Test for Castor oil
		Test for rancidity
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Saffron, Beta carotene, Carotene(Natural extract),Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Ethyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours(Plain), Caramel colours(Ammonium Sulphite process)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		Test for Preservatives

Std. Nos.	Categories	Parameters
		Sorbic Acid, Sodium/ Potassium/ Calcium sorbate expressed as Sorbic acid, Benzoic acid, Sodium/ Potassium/ benzoate expressed as Benzoic acid
		Gallates (Ethyl, Propyl, Octyl, Dodecyl), individual or mixture thereof
		Test for antioxidant: Butylated Hydroxy Anisole(BHA)
		BHA in combination with gallates (Ethyl, Propyl, Octyl, Dodecyl),
		Test for antioxidant: TBHQ
		Ascorbyl palmitate/Stearate singly or in combination
		Dimethyl polysiloxane singly or in combination with silicon dioxide
		Hexane (For solvent extracted Refined Oil)
		Refractive Index at 40 °C or Butyro-refractometer reading at 40 °C
		Saponification value
		Iodine value
		Acid value
		Unsaponifiable matter
		Bellier test (Turbidity temperature - Acetic acid method)
		Turbidity test
		Arsenic
		Cadmium
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Zinc
		Lead
		Copper
		<b>Pesticides</b>
		Trichlorfon (edible refined)
		Phenthoate
		Phorate (sum of Phorate, its oxygen analogue and their sulphoxides and sulphones, expressed as phorate)
		Triazophos
		Profenofos
		Fenvalerate (fat soluble residue)
		Fenpropathrin
		Imidacloprid
		Lambdacyhalothrin
		Pendimethalin

Std. Nos.	Categories	Parameters
		Fluvalinate
		Paraquat Dichloride (Determined as Paraquat cations)
		Chlorpyrifos (for crude oil)
		Endosulfan (residues are measured and reported as total of endosulfan A and B and endosulfan-sulphate) for crude oil
		Monocrotophos (For Crude oil)
		Thiodicarb
		Indoxacarb
		Acetamiprid
		Novaluron
		Spinosad
		Thiochlorprid
<b>2.2.1.3</b>	<b>Groundnut oil (moongh-phali-ka-tel)</b>	<b>General Parameters</b>
		Groundnut oil means oil expressed from clean and sound groundnuts <i>Arachis hypogaea</i> . Sample shall be clear and free from rancidity, suspended or other foreign matter, separated water, flavouring substances
		Test for mineral oil
		Test for Argemone oil
		Test for Castor oil
		Test for rancidity
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Saffron, Beta carotene, Carotene(Natural extract), Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Ethyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours(Plain), Caramel colours(Ammonium Sulphite process)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		Test for Preservatives Sorbic Acid, Sodium/ Potassium/ Calcium sorbate expressed as Sorbic acid, Benzoic acid, Sodium/ Potassium/ benzoate expressed as Benzoic acid
		Test for Antioxidants
		Gallates (Ethyl, Propyl, Octyl, Dodecyl), individual or mixture thereof
		Test for antioxidant: Butylated Hydroxy Anisole(BHA)
		BHA in combination with gallates (Ethyl, Propyl, Octyl, Dodecyl),
		Test for antioxidant: TBHQ

Std. Nos.	Categories	Parameters
		Ascorbyl palmitate/Stearate singly or in combination
		Dimethyl polysiloxane singly or in combination with silicon dioxide
		Hexane (For solvent extracted Refined Oil)
		<b>Quality Parameters</b>
		Refractive Index at 40 °C or Butyro-refractometer reading at 40°C
		Saponification value
		Iodine value
		Acid value
		Unsaponifiable matter
		Bellier test (Turbidity temperature - Acetic acid method)
		<b>Metal Contaminants</b>
		Arsenic
		Cadmium
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Zinc
		Lead
		Copper
		<b>Pesticides</b>
		Trichlorfon (for refined oil)
		Phenthoate
		Phorate (sum of Phorate, its oxygen analogue and their sulphoxides and sulphones, expressed as phorate)
		Oxyfluorfen
		Imazethapyr
		Metiram
<b>2.2.1.4</b>	<b>Linseed Oil (Tisi-Ka-Tel)</b>	<b>General Parameters</b>
		Linseed oil means the oil obtained by process of expressing clean and sound linseed ( <i>linum usitatissimum</i> ). Sample shall be clear and free from rancidity, suspended or other foreign matter, separated water, flavouring substances
		Test for mineral oil
		Test for Argemone oil
		Test for Castor oil
		Test for rancidity
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Saffron, Beta carotene,

Std. Nos.	Categories	Parameters
		Carotene(Natural extract),Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Ethyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours(Plain), Caramel colours(Ammonium Sulphite process)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		Test for Preservatives Sorbic Acid, Sodium/ Potassium/ Calcium sorbate expressed as Sorbic acid, Benzoic acid, Sodium/ Potassium/ benzoate expressed as Benzoic acid
		Test for Antioxidants
		Gallates (Ethyl, Propyl, Octyl, Dodecyl), individual or mixture thereof
		Test for antioxidant: Butylated Hydroxy Anisole(BHA)
		BHA in combination with gallates (Ethyl, Propyl, Octyl, Dodecyl),
		Test for antioxidant: TBHQ
		Ascorbyl palmitate/Stearate singly or in combination
		Dimethyl polysiloxane singly or in combination with silicon dioxide
		Hexane (For solvent extracted Refined Oil)
		<b>Quality Parameters</b>
		Refractive Index at 40 °C or Butyro-refractometer reading at 40 °C
		Saponification value
		Iodine value
		Acid value
		Unsaponifiable matter
		<b>Metal Contaminants</b>
		Arsenic
		Cadmium
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Zinc
		Lead
		Copper
		<b>Pesticides</b>
		Trichlorfon (for refined oil)
		Phenthoate
		Phorate (sum of Phorate, its oxygen analogue and their sulphoxides and sulphones, expressed as phorate)

Std. Nos.	Categories	Parameters
2.2.1.5	Mahua oil	<b>General Parameters</b>
		Mahua oil means oil expressed from clean and sound seeds or nuts of Madhuca ( <i>Bassia latifolia</i> or <i>B. longifolia</i> ). Sample shall be clear and free from rancidity, suspended or other foreign matter, separated water, flavouring substances
		Test for mineral oil
		Test for Argemone oil
		Test for Castor oil
		Test for rancidity
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Saffron, Beta carotene, Carotene(Natural extract), Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Ethyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours(Plain), Caramel colours(Ammonium Sulphite process)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		Test for Preservatives Sorbic Acid, Sodium/ Potassium/ Calcium sorbate expressed as Sorbic acid, Benzoic acid, Sodium/ Potassium/ benzoate expressed as Benzoic acid
		Test for Antioxidants
		Gallates (Ethyl, Propyl, Octyl, Dodecyl), individual or mixture thereof
		Test for antioxidant: Butylated Hydroxy Anisole(BHA)
		BHA in combination with gallates (Ethyl, Propyl, Octyl, Dodecyl),
		Test for antioxidant: TBHQ
		Ascorbyl palmitate/Stearate singly or in combination
		Dimethyl polysiloxane singly or in combination with silicon dioxide
		Hexane (For solvent extracted Refined Oil)
		<b>Quality Parameters</b>
		Refractive Index at 40 °C or Butyro-refractometer reading at 40 °C
		Saponification value
		Iodine value
		Acid value
		Unsaponifiable matter
		<b>Metal Contaminants</b>
		Arsenic
		Cadmium
		Mercury

Std. Nos.	Categories	Parameters
		Methyl Mercury calculated as the element
		Tin
		Zinc
		Lead
		Copper
		<b>Pesticides</b>
		Trichlorfon (for refined oil)
		Phenthoate
		Phorate (sum of Phorate, its oxygen analogue and their sulphoxides and sulphones, expressed as phorate)
2.2.1.6	Rapeseed oil (Toria oil) Mustard oil (sarson ka tel)	<b>General Parameters</b>
		Rapeseed oil means the oil expressed from clean and sound mustard seeds belonging to the <i>compestris</i> , <i>juncea</i> or <i>napus</i> varieties of <i>Brassica</i> . Sample shall be clear and free from rancidity, suspended or other foreign matter, separated water, flavouring substances
		Test for mineral oil
		Test for Argemone oil
		Test for Castor oil
		Test for rancidity
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Saffron, Beta carotene, Carotene(Natural extract), Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Ethyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours(Plain), Caramel colours(Ammonium Sulphite process)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		Test for Preservatives Sorbic Acid, Sodium/ Potassium/ Calcium sorbate expressed as Sorbic acid, Benzoic acid, Sodium/ Potassium/ benzoate expressed as Benzoic acid
		Test for Antioxidants
		Gallates (Ethyl, Propyl, Octyl, Dodecyl), individual or mixture thereof
		Test for antioxidant: Butylated Hydroxy Anisole(BHA)
		BHA in combination with gallates (Ethyl, Propyl, Octyl, Dodecyl),
		Test for antioxidant: TBHQ
		Ascorbyl palmitate/Stearate singly or in combination
		Dimethyl polysiloxane singly or in combination with silicon dioxide

Std. Nos.	Categories	Parameters
		Hexane (For solvent extracted Refined Oil)
		<b>Quality Parameters</b>
		Refractive Index at 40 °C or Butyro-refractometer reading at 40 °C
		Saponification value
		Iodine value
		Acid value
		Unsaponifiable matter
		Bellier test (Turbidity temperature - Acetic acid method)
		Test for Hydrocyanic Acid (Ferric Chloride test)
		<b>Metal Contaminants</b>
		Arsenic
		Cadmium
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Zinc
		Lead
		Copper
		<b>Pesticides</b>
		Trichlorfon (for refined oil)
		Phenthoate
		Phorate (sum of Phorate, its oxygen analogue and their sulphoxides and sulphones, expressed as phorate)
		Phosalone
<b>2.2.1.7</b>	<b>Rapeseed oil or Mustard oil -Low erucic acid</b>	<b>General Parameters</b>
		Rapeseed oil or Mustard oil -Low erucic acid means the oil expressed from clean and sound, low erucic acid oil bearing seeds of rapeseeds belonging to the <i>compestris</i> , <i>juncea</i> or <i>napus</i> varieties of <i>Brassica</i> . Sample shall be clear and free from rancidity, suspended or other foreign matter, separated water, flavouring substances
		Test for mineral oil
		Test for Argemone oil
		Test for Castor oil
		Test for rancidity
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Saffron, Beta carotene,

Std. Nos.	Categories	Parameters
		Carotene(Natural extract),Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Ethyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours(Plain), Caramel colours(Ammonium Sulphite process)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		Test for Preservatives Sorbic Acid, Sodium/ Potassium/ Calcium sorbate expressed as Sorbic acid, Benzoic acid, Sodium/ Potassium/ benzoate expressed as Benzoic acid
		Test for Antioxidants
		Gallates (Ethyl, Propyl, Octyl, Dodecyl), individual or mixture thereof
		Test for antioxidant: Butylated Hydroxy Anisole(BHA)
		BHA in combination with gallates (Ethyl, Propyl, Octyl, Dodecyl),
		Test for antioxidant: TBHQ
		Ascorbyl palmitate/Stearate singly or in combination
		Dimethyl polysiloxane singly or in combination with silicon dioxide
		Hexane (For solvent extracted Refined Oil)
		<b>Quality Parameters</b>
		Refractive Index at 40 °C or Butyro-refractometer reading at 40 °C
		Saponification value
		Iodine value (Wij's method)
		Acid value
		Unsaponifiable matter
		Bellier test (Turbidity temperature - Acetic acid method)
		Test for Hydrocyanic Acid (Ferric Chloride test)
		Erucic acid
		Flash Point (Pensky Marten Closed Method) for 1) solvent extracted and 2) imported oils, after refining
		<b>Metal Contaminants</b>
		Arsenic
		Cadmium
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Zinc
		Lead
		Copper
		<b>Pesticides</b>
		Trichlorfon (for refined oil)

Std. Nos.	Categories	Parameters
		Phenthoate
		Phorate (sum of Phorate, its oxygen analogue and their sulphoxides and sulphones, expressed as phorate)
		Phosalone
<b>2.2.1.8</b>	<b>Olive oil</b>	<b>General Parameters</b>
	<b>Includes Olive oil, Virgin olive oil, Refined olive oil, olive-pomace oil and Refined olive pomace oil,</b>	Olive oil means the oil obtained solely from the fruit of the olive tree ( <i>Olea europaea L.</i> ). Sample shall be clear and free from rancidity, suspended or other foreign matter, separated water, flavouring substances
		Test for mineral oil
		Test for Argemone oil
		Test for Castor oil
		Semi-Siccative oil test
		Cotton seed oil test
		Teaseed oil test
		Sesame seed oil test
		Test for rancidity
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Saffron, Beta carotene, Carotene(Natural extract),Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Ethyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours(Plain), Caramel colours(Ammonium Sulphite process)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		Test for Preservatives Sorbic Acid, Sodium/ Potassium/ Calcium sorbate expressed as Sorbic acid, Benzoic acid, Sodium/ Potassium/ benzoate expressed as Benzoic acid
		Test for Antioxidants
		Gallates (Ethyl, Propyl, Octyl, Dodecyl), individual or mixture thereof
		Test for antioxidant: Butylated Hydroxy Anisole(BHA)
		BHA in combination with gallates (Ethyl, Propyl, Octyl, Dodecyl),
		Test for antioxidant: TBHQ
		Ascorbyl palmitate/Stearate singly or in combination
		Dimethyl polysiloxane singly or in combination with silicon dioxide
		<b>Quality Parameters</b>

Std. Nos.	Categories	Parameters
		<b>Virgin olive oil, extra virgin olive oil and ordinary virgin olive oil</b>
		Moisture and volatile matter
		Insoluble impurities
		Refractive Index at 40°C
		Saponification value (mg KOH/g oil)
		Iodine value (Wij's method)
		Free Fatty Acid expressed as Oleic acid
		a. Virgin olive oil
		b. Extra virgin olive oil
		c. Ordinary virgin olive oil
		Unsaponifiable matter
		Bellier test
		Olive pomace oil test
		<b>Refined olive oil</b>
		Moisture and volatile matter
		Insoluble impurities
		Refractive Index at 40°C
		Saponification value (mg KOH/g oil)
		Iodine value (Wij's method)
		Free Fatty Acid expressed as Oleic acid
		Unsaponifiable matter (using light petroleum)
		Bellier Test
		Olive pomace oil test
		Apha Tocopherol
		<b>Olive oil</b>
		Moisture and volatile matter
		Insoluble impurities
		Refractive Index at 40°C
		Saponification value (mg KOH/g oil)
		Iodine value (Wij's method)
		Free Fatty Acid expressed as Oleic acid
		Unsaponifiable matter
		Olive pomace oil test
		<b>Refined olive—Pomace oil</b>
		Moisture and volatile matter
		Insoluble impurities
		Refractive Index at 40°C
		Saponification value (mg KOH/g oil)
		Iodine value (Wij's method)
		Free Fatty Acid expressed as Oleic acid

Std. Nos.	Categories	Parameters
		Unsaponifiable matter
		Olive pomace oil test
		<b>Olive Pomace oil</b>
		Moisture and volatile matter
		Insoluble impurities
		Refractive Index at 40°C
		Saponification value (mg KOH/g oil)
		Iodine value (Wij's method)
		Free Fatty Acid expressed as Oleic acid
		Unsaponifiable matter
		Olive pomace oil test
		<b>Metal Contaminants</b>
		Arsenic
		Cadmium
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Zinc
		Lead
		Copper
		Iron
		<b>Pesticides</b>
		Trichlorfon (for refined oil)
		Phenthoate
		Phorate (sum of Phorate, its oxygen analogue and their sulphoxides and sulphones, expressed as phorate)
<b>2.2.1.9</b>	<b>Poppy Seed Oil</b>	<b>General Parameters</b>
		Poppy seedoil means the oil expressed from poppy seeds ( <i>Papaver somniferum</i> ). Sample shall be clear and free from rancidity, suspended or other foreign matter, separated water, flavouring substances
		Test for mineral oil
		Test for Argemone oil
		Test for Castor oil
		Test for rancidity
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Saffron, Beta carotene, Carotene(Natural extract), Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Ethyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours(Plain), Caramel colours(Ammonium Sulphite process)

Std. Nos.	Categories	Parameters
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		Test for Preservatives Sorbic Acid, Sodium/ Potassium/ Calcium sorbate expressed as Sorbic acid, Benzoic acid, Sodium/ Potassium/ benzoate expressed as Benzoic acid
		Test for Antioxidants
		Gallates (Ethyl, Propyl, Octyl, Dodecyl), individual or mixture thereof
		Test for antioxidant: Butylated Hydroxy Anisole(BHA)
		BHA in combination with gallates (Ethyl, Propyl, Octyl, Dodecyl),
		Test for antioxidant: TBHQ
		Ascorbyl palmitate/Stearate singly or in combination
		Dimethyl polysiloxane singly or in combination with silicon dioxide
		Hexane (For solvent extracted Refined Oil)
		<b>Quality Parameters</b>
		Refractive Index at 40 °C or Butyro-refractometer reading at 40 °C
		Saponification value
		Iodine value
		Acid value
		Unsaponifiable matter
		<b>Metal Contaminants</b>
		Arsenic
		Cadmium
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Zinc
		Lead
		Copper
		<b>Pesticides</b>
		Trichlorfon (for refined oil)
		Phenthoate
		Phorate (sum of Phorate, its oxygen analogue and their sulphoxides and sulphones, expressed as phorate)
2.2.1.10	Safflower Seed Oil (Berry Ka Tel)	<b>General Parameters</b>
		Safflower seed oil means the oil expressed from the seeds of <i>Carthamus tinctorius</i> . Sample shall be clear and free from rancidity,

Std. Nos.	Categories	Parameters
		suspended or other foreign matter, separated water, flavouring substances
		Test for mineral oil
		Test for Argemone oil
		Test for Castor oil
		Test for rancidity
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Saffron, Beta carotene, Carotene(Natural extract),Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Ethyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours(Plain), Caramel colours(Ammonium Sulphite process)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		Test for Preservatives Sorbic Acid, Sodium/ Potassium/ Calcium sorbate expressed as Sorbic acid, Benzoic acid, Sodium/ Potassium/ benzoate expressed as Benzoic acid
		Test for Antioxidants
		Gallates (Ethyl, Propyl, Octyl, Dodecyl), individual or mixture thereof
		Test for antioxidant: Butylated Hydroxy Anisole(BHA)
		BHA in combination with gallates (Ethyl, Propyl, Octyl, Dodecyl),
		Test for antioxidant: TBHQ
		Ascorbyl palmitate/Stearate singly or in combination
		Dimethyl polysiloxane singly or in combination with silicon dioxide
		Hexane (For solvent extracted Refined Oil)
		<b>Quality Parameters</b>
		Refractive Index at 40 °C or Butyro-refractometer reading at 40 °C
		Saponification value
		Iodine value
		Acid value
		Unsaponifiable matter
		Bellier test (Turbidity temperature - Acetic acid method)
		<b>Metal Contaminants</b>
		Arsenic
		Cadmium
		Mercury
		Methyl Mercury calculated as the element

Std. Nos.	Categories	Parameters
		Tin
		Zinc
		Lead
		Copper
		<b>Pesticides</b>
		Trichlorfon (for refined oil)
		Phenthoate
		Phorate (sum of Phorate, its oxygen analogue and their sulphoxides and sulphones, expressed as phorate)
2.2.1.11	Imported Safflower Seed Oil and Safflower seed oil (high oleic acid-Imported or domestic	<b>General Parameters</b>
		Imported Safflower Seed Oil and Safflower seed oil (high oleic acid-Imported or domestic oil means the oil expressed from the seeds of <i>Carthamus tinctorius L.</i> Sample shall be clear and free from rancidity, suspended or other foreign matter, separated water, flavouring substances
		Test for mineral oil
		Test for Argemone oil
		Test for Castor oil
		Test for rancidity
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Saffron, Beta carotene, Carotene(Natural extract),Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Ethyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours(Plain), Caramel colours(Ammonium Sulphite process)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		Test for Preservatives Sorbic Acid, Sodium/ Potassium/ Calcium sorbate expressed as Sorbic acid, Benzoic acid, Sodium/ Potassium/ benzoate expressed as Benzoic acid

Std. Nos.	Categories	Parameters
		Test for Antioxidants
		Gallates (Ethyl, Propyl, Octyl, Dodecyl), individual or mixture thereof
		Test for antioxidant: Butylated Hydroxy Anisole(BHA)
		BHA in combination with gallates (Ethyl, Propyl, Octyl, Dodecyl),
		Test for antioxidant: TBHQ
		Ascorbyl palmitate/Stearate singly or in combination
		Dimethyl polysiloxane singly or in combination with silicon dioxide
		Hexane (For solvent extracted Refined Oil)
		<b>Quality Parameters</b>
		<b>High Oleic acid Safflower seed Oil</b>
		Refractive Index at 40 °C or Butyro-refractometer reading at 40 °C
		Saponification value
		Iodine value (wijs method)
		Acid value
		Unsaponifiable matter
		Bellier test (Turbidity temperature - Acetic acid method)
		Oleic acid content
		<b>Imported Safflowerseed Oil</b>
		Refractive Index at 40 °C or Butyro-refractometer reading at 40 °C
		Saponification value
		Iodine value (wijs method)
		Acid value
		Unsaponifiable matter
		Bellier test (Turbidity temperature - Acetic acid method)
		<b>Metal Contaminants</b>
		Arsenic
		Cadmium
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Zinc
		Lead
		Copper
		<b>Pesticides</b>
		Trichlorfon (for refined oil)
		Phenthoate

Std. Nos.	Categories	Parameters
		Phorate (sum of Phorate, its oxygen analogue and their sulphoxides and sulphones, expressed as phorate)
<b>2.2.1.11</b>	<b>Taramira oil</b>	<b>General Parameters</b>
		Taramira oil means the oil expressed from the clean and sound seeds of Taramira ( <i>Eruca sativa</i> ). Sample shall be clear and free from rancidity, suspended or other foreign matter, separated water, flavouring substances
		Test for mineral oil
		Test for Argemone oil
		Test for Castor oil
		Test for rancidity
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Saffron, Beta carotene, Carotene(Natural extract),Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Ethyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours(Plain), Caramel colours(Ammonium Sulphite process)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		Test for Preservatives Sorbic Acid, Sodium/ Potassium/ Calcium sorbate expressed as Sorbic acid, Benzoic acid, Sodium/ Potassium/ benzoate expressed as Benzoic acid
		Test for Antioxidants
		Gallates (Ethyl, Propyl, Octyl, Dodecyl), individual or mixture thereof
		Test for antioxidant: Butylated Hydroxy Anisole(BHA)
		BHA in combination with gallates (Ethyl, Propyl, Octyl, Dodecyl),
		Test for antioxidant: TBHQ
		Ascorbyl palmitate/Stearate singly or in combination
		Dimethyl polysiloxane singly or in combination with silicon dioxide
		Hexane (For solvent extracted Refined Oil)
		<b>Quality Parameters</b>
		Refractive Index at 40 °C or Butyro-refractometer reading at 40 °C
		Saponification value
		Iodine value
		Acid value
		Unsaponifiable matter
		<b>Metal Contaminants</b>

Std. Nos.	Categories	Parameters
		Arsenic
		Cadmium
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Zinc
		Lead
		Copper
		<b>Pesticides</b>
		Trichlorfon (for refined oil)
		Phenthoate
		Phorate (sum of Phorate, its oxygen analogue and their sulphoxides and sulphones, expressed as phorate)
<b>2.2.1.12</b>	<b>Til oil (Gingelly or Sesame oil)</b>	<b>General Parameters</b>
		Til oil means the oil expressed from clean and sound seeds of Til ( <i>Sesamum indicum</i> ), black, brown, white or mixed. Sample shall be clear and free from rancidity, suspended or other foreign matter, separated water, flavouring substances
		Test for mineral oil
		Test for Argemone oil
		Test for Castor oil
		Test for rancidity
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Saffron, Beta carotene, Carotene(Natural extract), Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Ethyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours(Plain), Caramel colours(Ammonium Sulphite process)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		Test for Preservatives Sorbic Acid, Sodium/ Potassium/ Calcium sorbate expressed as Sorbic acid, Benzoic acid, Sodium/ Potassium/ benzoate expressed as Benzoic acid
		Test for Antioxidants
		Gallates (Ethyl, Propyl, Octyl, Dodecyl), individual or mixture thereof
		Test for antioxidant: Butylated Hydroxy Anisole(BHA)
		BHA in combination with gallates (Ethyl, Propyl, Octyl, Dodecyl),
		Test for antioxidant: TBHQ

Std. Nos.	Categories	Parameters
		Ascorbyl palmitate/Stearate singly or in combination
		Dimethyl polysiloxane singly or in combination with silicon dioxide
		Hexane (For solvent extracted Refined Oil)
		<b>Quality Parameters</b>
		Refractive Index at 40 °C or Butyro-refractometer reading at 40 °C
		Saponification value
		Iodine value
		Acid value
		Unsaponifiable matter
		Bellier test (Turbidity temperature - Acetic acid method)
		<b>Oil obtained from white sesame seeds grown in Tripura, Assam and West Bengal</b>
		Refractive Index at 40 °C or Butyro-refractometer reading at 40 °C
		Saponification value
		Iodine value
		Acid value
		Unsaponifiable matter
		Bellier test (Turbidity temperature - Acetic acid method)
		<b>Metal Contaminants</b>
		Arsenic
		Cadmium
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Zinc
		Lead
		Copper
		<b>Pesticides</b>
		Trichlorfon (for refined oil)
		Phenthoate
		Phorate (sum of Phorate, its oxygen analogue and their sulphoxides and sulphones, expressed as phorate)
<b>2.2.1.13</b>	<b>Niger Seed Oil (Sargiya ka Tel)</b>	<b>General Parameters</b>
		Niger seed oil means the edible oil obtained by process of expressing clean and sound seeds of <i>Guizotia abyssinica</i> . Sample shall be clear

Std. Nos.	Categories	Parameters
		and free from rancidity, suspended or other foreign matter, separated water, flavouring substances
		Test for mineral oil
		Test for Argemone oil
		Test for Castor oil
		Test for rancidity
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Saffron, Beta carotene, Carotene(Natural extract),Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Ethyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours(Plain), Caramel colours(Ammonium Sulphite process)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		Test for Preservatives Sorbic Acid, Sodium/ Potassium/ Calcium sorbate expressed as Sorbic acid, Benzoic acid, Sodium/ Potassium/ benzoate expressed as Benzoic acid
		Test for Antioxidants
		Gallates (Ethyl, Propyl, Octyl, Dodecyl), individual or mixture thereof
		Test for antioxidant: Butylated Hydroxy Anisole(BHA)
		BHA in combination with gallates (Ethyl, Propyl, Octyl, Dodecyl),
		Test for antioxidant: TBHQ
		Ascorbyl palmitate/Stearate singly or in combination
		Dimethyl polysiloxane singly or in combination with silicon dioxide
		Hexane (For solvent extracted Refined Oil)
		<b>Quality Parameters</b>
		Refractive Index at 40 °C or Butyro-refractometer reading at 40 °C
		Saponification value
		Iodine value
		Acid value
		Unsaponifiable matter
		Bellier test (Turbidity temperature - Acetic acid method)
		<b>Metal Contaminants</b>
		Arsenic
		Cadmium
		Mercury
		Methyl Mercury calculated as the element

Std. Nos.	Categories	Parameters
		Tin
		Zinc
		Lead
		Copper
		<b>Pesticides</b>
		Trichlorfon (for refined oil)
		Phenthoate
		Phorate (sum of Phorate, its oxygen analogue and their sulphoxides and sulphones, expressed as phorate)
<b>2.2.1.14</b>	<b>Soya bean Oil</b>	<b>General Parameters</b>
		Soyabean oil means the oil expressed from clean and sound soyabeans ( <i>Soja max</i> ). Sample shall be clear and free from rancidity, suspended or other foreign matter, separated water, flavouring substances
		Test for mineral oil
		Test for Argemone oil
		Test for Castor oil
		Test for rancidity
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Saffron, Beta carotene, Carotene(Natural extract), Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Ethyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours(Plain), Caramel colours(Ammonium Sulphite process)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		Test for Preservatives Sorbic Acid, Sodium/ Potassium/ Calcium sorbate expressed as Sorbic acid, Benzoic acid, Sodium/ Potassium/ benzoate expressed as Benzoic acid
		Test for Antioxidants
		Gallates (Ethyl, Propyl, Octyl, Dodecyl), individual or mixture thereof
		Test for antioxidant: Butylated Hydroxy Anisole(BHA)
		BHA in combination with gallates (Ethyl, Propyl, Octyl, Dodecyl),
		Test for antioxidant: TBHQ
		Ascorbyl palmitate/Stearate singly or in combination
		Dimethyl polysiloxane singly or in combination with silicon dioxide
		Hexane (For solvent extracted Refined Oil)
		<b>Quality Parameters</b>

Std. Nos.	Categories	Parameters
		Refractive Index at 40 °C or Butyro-refractometer reading at 40 °C
		Saponification value
		Iodine value
		Acid value
		Unsaponifiable matter
		Phosphorus
		<b>Metal Contaminants</b>
		Arsenic
		Cadmium
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Zinc
		Lead
		Copper
		<b>Pesticides</b>
		Trichlorfon (for refined oil)
		Phenthoate
		Phorate (sum of Phorate, its oxygen analogue and their sulphoxides and sulphones, expressed as phorate)
		Triazophos
		Metolachlor
		Metribuzin
		Pendimethalin
		Imazethapyr
		Clomazone
<b>2.2.1.15</b>	<b>Maize (corn) Oil</b>	<b>General Parameters</b>
		Maize oil means the oil, extracted from the gram of clean and sound seeds of <i>Zea Mays linn.</i> Fam. Graminae, refined. Sample shall be clear and free from rancidity, suspended or other foreign matter, separated water, flavouring substances
		Test for mineral oil
		Test for Argemone oil
		Test for Castor oil
		Test for rancidity
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Saffron, Beta carotene, Carotene(Natural extract),Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Ethyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours(Plain), Caramel colours(Ammonium Sulphite process)

Std. Nos.	Categories	Parameters
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		Test for Preservatives Sorbic Acid, Sodium/ Potassium/ Calcium sorbate expressed as Sorbic acid, Benzoic acid, Sodium/ Potassium/ benzoate expressed as Benzoic acid
		Test for Antioxidants
		Gallates (Ethyl, Propyl, Octyl, Dodecyl), individual or mixture thereof
		Test for antioxidant: Butylated Hydroxy Anisole(BHA)
		BHA in combination with gallates (Ethyl, Propyl, Octyl, Dodecyl),
		Test for antioxidant: TBHQ
		Ascorbyl palmitate/Stearate singly or in combination
		Dimethyl polysiloxane singly or in combination with silicon dioxide
		Hexane (For solvent extracted Refined Oil)
		<b>Quality Parameters</b>
		Refractive Index at 40 °C or Butyro-refractometer reading at 40 °C
		Saponification value
		Iodine value
		Acid value
		Unsaponifiable matter
		<b>Metal Contaminants</b>
		Arsenic
		Cadmium
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Zinc
		Lead
		Copper
		<b>Pesticides</b>
		Trichlorfon (for refined oil)
		Phenthoate
		Phorate (sum of Phorate, its oxygen analogue and their sulphoxides and sulphones, expressed as phorate)
<b>2.2.1.16</b>	<b>Refined Vegetable Oil</b>	<b>General Parameters</b>
		Sample shall be clear and free from rancidity, suspended or other foreign matter, separated water, flavouring substances
		Test for mineral oil

Std. Nos.	Categories	Parameters
		Test for Argemone oil
		Test for Castor oil
		Test for rancidity
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Saffron, Beta carotene, Carotene(Natural extract),Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Ethyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours(Plain), Caramel colours(Ammonium Sulphite process)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		Test for Preservatives Sorbic Acid, Sodium/ Potassium/ Calcium sorbate expressed as Sorbic acid, Benzoic acid, Sodium/ Potassium/ benzoate expressed as Benzoic acid
		Test for Antioxidants
		Gallates (Ethyl, Propyl, Octyl, Dodecyl), individual or mixture thereof
		Test for antioxidant: Butylated Hydroxy Anisole(BHA)
		BHA in combination with gallates (Ethyl, Propyl, Octyl, Dodecyl),
		Test for antioxidant: TBHQ
		Ascorbyl palmitate/Stearate singly or in combination
		Dimethyl polysiloxane singly or in combination with silicon dioxide
		Hexane (For solvent extracted Refined Oil)
		<b>Quality Parameters</b>
		<b>Refined oil shall conform to the standards of the respective vegetable oil from which it is refined except for the under mentioned</b>
		Acid value
		Moisture
		The name of the vegetable oil from which the refined oil is manufactured
		<b>Metal Contaminants</b>
		Arsenic
		Cadmium
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Zinc
		Lead

Std. Nos.	Categories	Parameters
		Copper
		<b>Pesticides</b>
		Trichlorfon (for refined oil)
		Phenthoate
		Phorate (sum of Phorate, its oxygen analogue and their sulphoxides and sulphones, expressed as phorate)
<b>2.2.1.17</b>	<b>Almond Oil</b>	<b>General Parameters</b>
		Almond oil oil means the oil expressed from seeds of [ <i>Prunus amygdalus Batach</i> var, <i>Dulcius Koehne</i> ] (sweet almond) or of <i>Prunus amygdalus Batach</i> , var <i>Amara Focke</i> (bitter almond). Sample shall be clear and free from rancidity, suspended or other foreign matter, separated water, flavouring substances
		Test for mineral oil
		Test for Argemone oil
		Test for Castor oil
		Test for rancidity
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Saffron, Beta carotene, Carotene(Natural extract), Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Ethyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours(Plain), Caramel colours(Ammonium Sulphite process)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		Test for Preservatives Sorbic Acid, Sodium/ Potassium/ Calcium sorbate expressed as Sorbic acid, Benzoic acid, Sodium/ Potassium/ benzoate expressed as Benzoic acid
		Test for Antioxidants
		Gallates (Ethyl, Propyl, Octyl, Dodecyl), individual or mixture thereof
		Test for antioxidant: Butylated Hydroxy Anisole(BHA)
		BHA in combination with gallates (Ethyl, Propyl, Octyl, Dodecyl),
		Test for antioxidant: TBHQ
		Ascorbyl palmitate/Stearate singly or in combination
		Dimethyl polysiloxane singly or in combination with silicon dioxide
		<b>Quality Parameters</b>
		Refractive Index at 40 °C or Butyro-refractometer reading at 40 °C
		Saponification value

Std. Nos.	Categories	Parameters
		Iodine value
		Acid value
		Bellier test (Turbidity temperature Acetic acid method)
		<b>Metal Contaminants</b>
		Arsenic
		Cadmium
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Zinc
		Lead
		Copper
		<b>Pesticides</b>
		Phenthoate
		Phorate (sum of Phorate, its oxygen analogue and theirsulphoxides and sulphones, expressed as phorate)
<b>2.2.1.18</b>	<b>Water-melon seed oil</b>	<b>General Parameters</b>
		Water-melon seed oil means the oil, extracted from the clean and sound seeds of fruit of water-melon ( <i>Citrullus vulgaris schrad</i> , family: [Cucurbitaceae]). Sample shall be clear and free from rancidity, suspended or other foreign matter, separated water, flavouring substances
		Test for mineral oil
		Test for Argemone oil
		Test for Castor oil
		Test for rancidity
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Saffron, Beta carotene, Carotene(Natural extract),Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Ethyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours(Plain), Caramel colours(Ammonium Sulphite process)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		Test for Preservatives Sorbic Acid, Sodium/ Potassium/ Calcium sorbate expressed as Sorbic acid, Benzoic acid, Sodium/ Potassium/ benzoate expressed as Benzoic acid
		Test for Antioxidants

Std. Nos.	Categories	Parameters
		Gallates (Ethyl, Propyl, Octyl, Dodecyl), individual or mixture thereof
		Test for antioxidant: Butylated Hydroxy Anisole(BHA)
		BHA in combination with gallates (Ethyl, Propyl, Octyl, Dodecyl),
		Test for antioxidant: TBHQ
		Ascorbyl palmitate/Stearate singly or in combination
		Dimethyl polysiloxane singly or in combination with silicon dioxide
		Hexane (For solvent extracted Refined Oil)
		<b>Quality Parameters</b>
		Moisture & volatile matter
		Refractive Index at 40 °C or Butyro-refractometer reading at 40 °C
		Saponification value
		Iodine value
		Acid value
		Unsaponifiable matter
		<b>Metal Contaminants</b>
		Arsenic
		Cadmium
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Zinc
		Lead
		Copper
		<b>Pesticides</b>
		Trichlorfon (for refined oil)
		Phenthoate
		Phorate (sum of Phorate, its oxygen analogue and their sulphoxides and sulphones, expressed as phorate)
<b>2.2.1.19</b>	<b>Palm oil</b>	<b>General Parameters</b>
		Palm oil means the oil obtained from fleshy mesocarp of fruits of the oil palm ( <i>Elaeis guinensis</i> ) tree. Sample shall be clear and free from rancidity, suspended or other foreign matter, separated water, flavouring substances
		Test for mineral oil
		Test for Argemone oil
		Test for Castor oil
		Test for rancidity

Std. Nos.	Categories	Parameters
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Saffron, Beta carotene, Carotene(Natural extract),Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Ethyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours(Plain), Caramel colours(Ammonium Sulphite process)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		Test for Preservatives Sorbic Acid, Sodium/ Potassium/ Calcium sorbate expressed as Sorbic acid, Benzoic acid, Sodium/ Potassium/ benzoate expressed as Benzoic acid
		Test for Antioxidants
		Gallates (Ethyl, Propyl, Octyl, Dodecyl), individual or mixture thereof
		Test for antioxidant: Butylated Hydroxy Anisole(BHA)
		BHA in combination with gallates (Ethyl, Propyl, Octyl, Dodecyl),
		Test for antioxidant: TBHQ
		Ascorbyl palmitate/Stearate singly or in combination
		Dimethyl polysiloxane singly or in combination with silicon dioxide
		Hexane (For solvent extracted Refined Oil)
		<b>Quality Parameters</b>
		Refractive Index at 40 °C or Butyro-refractometer reading at 40 °C
		Melting point (capillary slip method)
		Saponification value
		Iodine value (Wij's method)
		Acid value
		Acid Value for Indigenously produced raw Palm Oil
		Unsaponifiable matter
		Flash point (Pensky Martens Closed Method) for imported palm oil
		<b>Metal Contaminants</b>
		Arsenic
		Cadmium
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Zinc
		Lead
		Copper
		<b>Pesticides</b>
		Trichlorfon (for refined oil)
		Phenthoate

Std. Nos.	Categories	Parameters
		Phorate (sum of Phorate, its oxygen analogue and their sulphoxides and sulphones, expressed as phorate)
<b>2.2.1.20</b>	<b>Palmolein</b>	<b>General Parameters</b>
		Palmolein oil means liquid fraction obtained by fractionation of palm oil obtained from the fleshy mesocarp of fruits of the oil palm ( <i>Elaeis guinensis</i> ) tree. Sample shall be clear and free from rancidity, suspended or other foreign matter, separated water, flavouring substances
		Test for mineral oil
		Test for Argemone oil
		Test for Castor oil
		Test for rancidity
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Saffron, Beta carotene, Carotene(Natural extract), Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Ethyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours(Plain), Caramel colours(Ammonium Sulphite process)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		Test for Preservatives Sorbic Acid, Sodium/ Potassium/ Calcium sorbate expressed as Sorbic acid, Benzoic acid, Sodium/ Potassium/ benzoate expressed as Benzoic acid
		Test for Antioxidants
		Gallates (Ethyl, Propyl, Octyl, Dodecyl), individual or mixture thereof
		Test for antioxidant: Butylated Hydroxy Anisole(BHA)
		BHA in combination with gallates (Ethyl, Propyl, Octyl, Dodecyl),
		Test for antioxidant: TBHQ
		Ascorbyl palmitate/Stearate singly or in combination
		Dimethyl polysiloxane singly or in combination with silicon dioxide
		Hexane (For solvent extracted Refined Oil)
		<b>Quality Parameters</b>
		Refractive Index at 40 °C or Butyro-refractometer reading at 40 °C
		Saponification value
		Iodine value (Wij's method)
		Cloud point
		Acid value

Std. Nos.	Categories	Parameters
		Unsaponifiable matter
		Flash point (Pensky Martens Closed Method) after refining for imported oil only
		<b>Metal Contaminants</b>
		Arsenic
		Cadmium
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Zinc
		Lead
		Copper
		<b>Pesticides</b>
		Trichlorfon (for refined oil)
		Phenthoate
		Phorate (sum of Phorate, its oxygen analogue and their sulphoxides and sulphones, expressed as phorate)
<b>2.2.1.21</b>	<b>Palm kernel oil</b>	<b>General Parameters</b>
		Palm Kernel oil means the oil obtained from sound kernel of the fruits of the oil palm ( <i>Elaeis guineensis</i> ) tree. Sample shall be clear and free from rancidity, suspended or other foreign matter, separated water, flavouring substances
		Test for mineral oil
		Test for Argemone oil
		Test for Castor oil
		Test for rancidity
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Saffron, Beta carotene, Carotene(Natural extract), Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Ethyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours(Plain), Caramel colours(Ammonium Sulphite process)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		Test for Preservatives Sorbic Acid, Sodium/ Potassium/ Calcium sorbate expressed as Sorbic acid, Benzoic acid, Sodium/ Potassium/ benzoate expressed as Benzoic acid
		Test for Antioxidants
		Gallates (Ethyl, Propyl, Octyl, Dodecyl), individual or mixture thereof

Std. Nos.	Categories	Parameters
		Test for antioxidant: Butylated Hydroxy Anisole(BHA)
		BHA in combination with gallates (Ethyl, Propyl, Octyl, Dodecyl),
		Test for antioxidant: TBHQ
		Ascorbyl palmitate/Stearate singly or in combination
		Dimethyl polysiloxane singly or in combination with silicon dioxide
		<b>Quality Parameters</b>
		Refractive Index at 40 °C or Butyro-refractometer reading at 40 °C
		Saponification value
		Iodine value (Wij's method)
		Acid value
		Unsaponifiable matter
		Flash point (Pensky Martens Closed Method) after refining
		<b>Metal Contaminants</b>
		Arsenic
		Cadmium
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Zinc
		Lead
		Copper
		<b>Pesticides</b>
		Trichlorfon (for refined oil)
		Phenthoate
		Phorate (sum of Phorate, its oxygen analogue and their sulphoxides and sulphones, expressed as phorate)
<b>2.2.1.22</b>	<b>Sunflower seed oil</b>	<b>General Parameters</b>
		Sunflower seed oil means the oil obtained from clean and sound sunflower seeds or cake from the plants Helianthus annuus linn (Family: Compositae). Sample shall be clear and free from rancidity, suspended or other foreign matter, separated water, flavouring substances
		Test for mineral oil
		Test for Argemone oil
		Test for Castor oil
		Test for rancidity

Std. Nos.	Categories	Parameters
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Saffron, Beta carotene, Carotene(Natural extract),Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Ethyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours(Plain), Caramel colours(Ammonium Sulphite process)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		Test for Preservatives Sorbic Acid, Sodium/ Potassium/ Calcium sorbate expressed as Sorbic acid, Benzoic acid, Sodium/ Potassium/ benzoate expressed as Benzoic acid
		Test for Antioxidants
		Gallates (Ethyl, Propyl, Octyl, Dodecyl), individual or mixture thereof
		Test for antioxidant: Butylated Hydroxy Anisole(BHA)
		BHA in combination with gallates (Ethyl, Propyl, Octyl, Dodecyl),
		Test for antioxidant: TBHQ
		Ascorbyl palmitate/Stearate singly or in combination
		Dimethyl polysiloxane singly or in combination with silicon dioxide
		Hexane (For solvent extracted Refined Oil)
		<b>Quality Parameters</b>
		Refractive Index at 40 °C or Butyro-refractometer reading at 40 °C
		Saponification value
		Iodine value (Wij's method)
		Acid value
		Unsaponifiable matter
		Flash point (Pensky Martens Closed Method) after refining
		<b>Metal Contaminants</b>
		Arsenic
		Cadmium
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Zinc
		Lead
		Copper
		<b>Pesticides</b>
		Trichlorfon (for refined oil)
		Phenthoate
		Phorate (sum of Phorate, its oxygen analogue and their sulphoxides)

Std. Nos.	Categories	Parameters
		and sulphones, expressed as phorate)
2.2.1.22.01	Imported Sunflower Seed Oil and Sunflower seed oil (high oleic acid-Imported or domestic	<b>General Parameters</b>
		Imported Sunflower seed oil (high oleic acid) means the oil obtained from clean and sound sunflower seeds or the high oleic acid bearing sunflower seeds of Helianthus annuus L. (Family: Compositae). Sample shall be clear and free from rancidity, suspended or other foreign matter, separated water, flavouring substances
		Test for mineral oil
		Test for Argemone oil
		Test for Castor oil
		Test for rancidity
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Saffron, Beta carotene, Carotene(Natural extract),Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Ethyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours(Plain), Caramel colours(Ammonium Sulphite process)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		Test for Preservatives Sorbic Acid, Sodium/ Potassium/ Calcium sorbate expressed as Sorbic acid, Benzoic acid, Sodium/ Potassium/ benzoate expressed as Benzoic acid
		Test for Antioxidants
		Gallates (Ethyl, Propyl, Octyl, Dodecyl), individual or mixture thereof
		Test for antioxidant: Butylated Hydroxy Anisole(BHA)
		BHA in combination with gallates (Ethyl, Propyl, Octyl, Dodecyl),
		Test for antioxidant: TBHQ
		Ascorbyl palmitate/Stearate singly or in combination
		Dimethyl polysiloxane singly or in combination with silicon dioxide
		Hexane (For solvent extracted Refined Oil)
		<b>Quality Parameters</b>
		<b>High Oleic acid Sunflower seed Oil</b>

Std. Nos.	Categories	Parameters
		Refractive Index at 25 °C or Butyro-refractometer reading at 25°C
		Saponification value
		Iodine value (Wijs method)
		Acid value
		Unsaponifiable matter
		Oleic acid content
		<b>Imported Sunflower seed Oil</b>
		Refractive Index at 40°C or Butyro-refractometer reading at 40°C
		Saponification value
		Iodine value (wijs method)
		Acid value
		Unsaponifiable matter
		<b>Metal Contaminants</b>
		Arsenic
		Cadmium
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Zinc
		Lead
		Copper
		<b>Pesticides</b>
		Trichlorfon (for refined oil)
		Phenthoate
		Phorate (sum of Phorate, its oxygen analogue and their sulphoxides and sulphones, expressed as phorate)
<b>2.2.1.23</b>	<b>Rice Bran Oil*</b>	<b>General Parameters</b>
	*Only refined Rice bran oil to be sold.	Rice bran oil means the oil obtained from the layer around the endosperm of rice obtained from paddy of <i>Oryza sativa Linn.</i> Fam Gramineae. Sample shall be clear and free from rancidity, suspended or other foreign matter, separated water, flavouring substances
		Test for mineral oil
		Turbidity test
		Test for Argemone oil
		Test for Castor oil
		Test for rancidity

Std. Nos.	Categories	Parameters
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Saffron, Beta carotene, Carotene(Natural extract),Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Ethyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours(Plain), Caramel colours(Ammonium Sulphite process)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		Test for Preservatives Sorbic Acid, Sodium/ Potassium/ Calcium sorbate expressed as Sorbic acid, Benzoic acid, Sodium/ Potassium/ benzoate expressed as Benzoic acid
		Test for Antioxidants
		Gallates (Ethyl, Propyl, Octyl, Dodecyl), individual or mixture thereof
		Test for antioxidant: Butylated Hydroxy Anisole(BHA)
		BHA in combination with gallates (Ethyl, Propyl, Octyl, Dodecyl),
		Test for antioxidant: TBHQ
		Ascorbyl palmitate/Stearate singly or in combination
		Dimethyl polysiloxane singly or in combination with silicon dioxide
		Hexane (For solvent extracted Refined Oil)
		<b>Quality Parameters</b>
		Moisture & volatile matter
		Refractive Index at 40°C or Butyro-refractometer reading at 40 °C
		Saponification value
		Iodine value (Wij's method)
		Acid value
		a. for chemically refined
		b. for physically refined
		Oryzanol Content
		Flash point (Pensky Martens Closed Method)
		<b>Metal Contaminants</b>
		Arsenic
		Cadmium
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Zinc
		Lead
		Copper

Std. Nos.	Categories	Parameters
		<b>Pesticides</b>
		Trichlorfon (for refined oil)
		Phenthoate
		Phorate (sum of Phorate, its oxygen analogue and their sulphoxides and sulphones, expressed as phorate)
<b>2.2.1.24</b>	<b>Blended edible Vegetable Oil*</b>	<b>General Parameters</b>
	* Solvent extracted oil and imported oil to be supplied for human consumption only after refining	Sample shall be clear and free from rancidity, suspended or other foreign matter, separated water, flavouring substances
		Test for mineral oil
		Test for Argemone oil
		Test for Castor oil
		Test for rancidity
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Saffron, Beta carotene, Carotene(Natural extract),Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Ethyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours(Plain), Caramel colours(Ammonium Sulphite process)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		Test for Preservatives Sorbic Acid, Sodium/ Potassium/ Calcium sorbate expressed as Sorbic acid, Benzoic acid, Sodium/ Potassium/ benzoate expressed as Benzoic acid
		Test for Antioxidants
		Gallates (Ethyl, Propyl, Octyl, Dodecyl), individual or mixture thereof
		Test for antioxidant: Butylated Hydroxy Anisole(BHA)
		BHA in combination with gallates (Ethyl, Propyl, Octyl, Dodecyl),
		Test for antioxidant: TBHQ
		Ascorbyl palmitate/Stearate singly or in combination
		Dimethyl polysiloxane singly or in combination with silicon dioxide
		Hexane (For solvent extracted Refined Oil)
		<b>Quality Parameters</b>
		Moisture and volatile matter

Std. Nos.	Categories	Parameters
		a. Both are raw edible vegetable oils in the blend
		b. One raw edible vegetable oil and other refined vegetable oil in the blend
		c. Both are refined edible vegetable oils in the blend
		a. Blended with chemically refined rice bran oil
		b. Blended with other edible vegetable oil
		Flash point (Penske Martin Closed Method)
		<b>Metal Contaminants</b>
		Arsenic
		Cadmium
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Zinc
		Lead
		Copper
		<b>Pesticides</b>
		Trichlorfon (for refined oil)
		Phenthoate
		Phorate (sum of Phorate, its oxygen analogue and their sulphoxides and sulphones, expressed as phorate)
<b>2.2.2</b>	<b>Interesterified Vegetable Fat</b>	<b>General Parameters</b>
		Sample shall be clear and free from rancidity, suspended or other foreign matter, separated water, flavouring substances and soap
		Test for mineral oil
		Test for Argemone oil
		Test for Castor oil
		Test for rancidity
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Saffron, Beta carotene, Carotene(Natural extract),Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Ethyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours(Plain), Caramel colours(Ammonium Sulphite process)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )

Std. Nos.	Categories	Parameters
		Test for Preservatives Sorbic Acid, Sodium/ Potassium/ Calcium sorbate expressed as Sorbic acid, Benzoic acid, Sodium/ Potassium/ benzoate expressed as Benzoic acid
		Test for Antioxidants
		Gallates (Ethyl, Propyl, Octyl, Dodecyl), individual or mixture thereof
		Test for antioxidant: Butylated Hydroxy Anisole(BHA)
		Test for antioxidant: TBHQ
		Ascorbyl palmitate/Stearate singly or in combination
		Dimethyl polysiloxane singly or in combination with silicon dioxide
		Hexane (For solvent extracted Refined Oil)
		<b>Quality Parameters</b>
		Diacetyl in interesterified fat exclusively meant for consumption by the Armed Forces
		Moisture
		Trans fatty acids
		Refractive Index at 40°C
		Butyro-refractometer reading at 40C
		Unsaponifiable matter
		Free Fatty Acid (Calculated as Oleic Acid)
		Refined sesame oil
		Baudouin Test
		Synthetic Vitamin A
		<b>Metal Contaminants</b>
		Arsenic
		Cadmium
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Zinc
		Lead
		Nickel
		Copper
		<b>Pesticides</b>
		Trichlorfon (for refined oil)
		Phenthoate
		Phorate (sum of Phorate, its oxygen analogue and their sulphoxides and sulphones, expressed as phorate)

Std. Nos.	Categories	Parameters	
2.2.3	<b>PARTIALLY HYDROGENATED SOYABEAN OIL</b>		
2.2.3.1	<b>Partially hydrogenated and winterised soyabean oil</b>	<b>General Parameters</b>	
		Sample shall be clear and free from rancidity, suspended or other foreign matter, separated water, flavouring substances and soap	
		Test for mineral oil	
		Test for Argemone oil	
		Test for castor oil	
		Test for animal Fat	
		Test for rancidity	
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Saffron ,Beta carotene, Carotene(Natural extract),Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Ethyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours(Plain), Caramel colours(Ammonium Sulphite process)	
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )	
		Test for Preservatives Sorbic Acid, Sodium/ Potassium/ Calcium sorbate expressed as Sorbic acid, Benzoic acid, Sodium/ Potassium/ benzoate expressed as Benzoic acid	Absent
		Test for Antioxidants	
		Gallates (Ethyl, Propyl, Octyl, Dodecyl), individual or mixture thereof	
		Test for antioxidant: Butylated Hydroxy Anisole(BHA)	
		BHA in combination with gallates (Ethyl, Propyl, Octyl, Dodecyl),	
		Test for antioxidant: TBHQ	
		Ascorbyl palmitate/Stearate singly or in combination	
		Dimethyl polysiloxane singly or in combination with silicon dioxide	
		Hexane	
		<b>Quality Parameters</b>	
		Moisture	
		Refractive Index at 40 °C or Butyro-refractometer reading at 40 °C	
		Saponification value	
		Iodine value (Wij's method)	

Std. Nos.	Categories	Parameters
		Acid value
		Unsaponifiable matter
		Linolenic acid (C18: 3)
		Cloud point
		Flash point (Pensky Marten Closed method)
		<b>Metal Contaminants</b>
		Arsenic
		Cadmium
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Zinc
		Lead
		Nickel
		Copper
		<b>Pesticides</b>
		Phenthoate
		Phorate (sum of Phorate, its oxygen analogue and their sulphoxides and sulphones, expressed as phorate)
<b>2.2.3.2</b>	<b>Partially hydrogenated soyabean oil</b>	<b>General Parameters</b>
		Sample shall be clear and free from rancidity, suspended or other foreign matter, separated water, flavouring substances and soap
		Test for mineral oil
		Test for Argemone oil
		Test for castor oil
		Test for animal Fat
		Turbidity test
		Test for rancidity
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Saffron, Beta carotene, Carotene(Natural extract), Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Ethyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours(Plain), Caramel colours(Ammonium Sulphite process)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )

Std. Nos.	Categories	Parameters
		Test for Preservatives Sorbic Acid, Sodium/ Potassium/ Calcium sorbate expressed as Sorbic acid, Benzoic acid, Sodium/ Potassium/ benzoate expressed as Benzoic acid
		Test for Antioxidants
		Gallates (Ethyl, Propyl, Octyl, Dodecyl), individual or mixture thereof
		Test for antioxidant: Butylated Hydroxy Anisole(BHA)
		BHA in combination with gallates (Ethyl, Propyl, Octyl, Dodecyl),
		Test for antioxidant: TBHQ
		Ascorbyl palmitate/Stearate singly or in combination
		Dimethyl polysiloxane singly or in combination with silicon dioxide
		<b>Quality Parameters</b>
		Moisture
		Refractive Index at 40 °C or Butyro-refractometer reading at 40 °C
		Saponification value
		Iodine value (Wij's method)
		Acid value
		Unsaponifiable matter
		Linolenic acid (c18: 3)
		Cloud point
		Flash point (Pensky Marten Closed method)
		<b>Metal Contaminants</b>
		Arsenic
		Cadmium
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Zinc
		Lead
		Nickel
		Copper
		<b>Pesticides</b>
		Phenthoate
		Phorate (sum of Phorate, its oxygen analogue and their sulphoxides and sulphones, expressed as phorate)
<b>2.2.4</b>	<b>Edible Fats</b>	<b>General Parameters</b>
		Sample shall be free from rancidity, foreign matter, flavouring substances
		Test for rancidity

Std. Nos.	Categories	Parameters
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Saffron, Beta carotene, Carotene(Natural extract),Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Ethyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours(Plain), Caramel colours(Ammonium Sulphite process)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		Test for Preservatives Sorbic Acid, Sodium/ Potassium/ Calcium sorbate expressed as Sorbic acid, Benzoic acid, Sodium/ Potassium/ benzoate expressed as Benzoic acid
		Test for Antioxidants
		Gallates (Ethyl, Propyl, Octyl, Dodecyl), individual or mixture thereof
		Test for antioxidant: Butylated Hydroxy Anisole(BHA)
		BHA in combination with gallates (Ethyl, Propyl, Octyl, Dodecyl),
		Test for antioxidant: TBHQ
		Ascorbyl palmitate/Stearate singly or in combination
		Dimethyl polysiloxane singly or in combination with silicon dioxide
		<b>Quality Parameters</b>
<b>2.2.4.1</b>		<b>Beef Fat</b>
		Saponification value
		Iodine value
<b>2.2.4.2</b>		<b>Mutton Fat</b>
		Saponification value
		Iodine value
<b>2.2.4.3</b>		<b>Goat Fat</b>
		Saponification value
		Iodine value
<b>2.2.4.4</b>		<b>Lard</b>
		Saponification value
		Iodine value
		<b>Metal Contaminants</b>
		Arsenic
		Cadmium
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Zinc
		Lead

Std. Nos.	Categories	Parameters
		Copper
<b>2.2.4. 5</b>	<b>Cocoa Butter</b>	<b>General Parameters</b>
		Cocoa butter means the fat obtained by expression from the nibs of the beans of <i>Theobroma cocoa L.</i> Sample shall be free from rancidity, foreign matter, flavouring substances
		Test for mineral oil
		Test for Argemone oil
		Test for castor oil
		Test for animal Fat
		Test for Rancidity
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Saffron, Beta carotene, Carotene(Natural extract), Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Ethyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours(Plain), Caramel colours(Ammonium Sulphite process)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		Test for Preservatives Sorbic Acid, Sodium/ Potassium/ Calcium sorbate expressed as Sorbic acid, Benzoic acid, Sodium/ Potassium/ benzoate expressed as Benzoic acid
		Test for Antioxidants
		Gallates (Ethyl, Propyl, Octyl, Dodecyl), individual or mixture thereof
		Test for antioxidant: Butylated Hydroxy Anisole(BHA)
		BHA in combination with gallates (Ethyl, Propyl, Octyl, Dodecyl),
		Test for antioxidant: TBHQ
		Ascorbyl palmitate/Stearate singly or in combination
		Dimethyl polysiloxane singly or in combination with silicon dioxide
		<b>Quality Parameters</b>
		% of free fatty acid (calculated as oleic acid)
		Iodine value
		Melting point
		Refractive Index at 40 °C or Butyro-refractometer reading at 40 °C
		Saponification value
		<b>Metal Contaminants</b>
		Arsenic
		Cadmium
		Mercury
		Methyl Mercury calculated as the element

Std. Nos.	Categories	Parameters
		Tin
		Zinc
		Lead
		Copper
<b>2.2.4.6</b>	<b>Refined Salseed Fat</b>	<b>General Parameters</b>
		Refined Salseed means the fat obtained from seed kernels of sal trees, <i>Shorea robusta</i> gaertn, F. (N.O. diperrocaspaeae ). Sample shall be free from rancidity, foreign matter, flavouring substances and clear on melting
		Test for mineral oil
		Test for Argemone oil
		Test for castor oil
		Test for animal Fat
		Test for Rancidity
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Saffron, Beta carotene, Carotene (Natural extract), Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Ethyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours (Plain), Caramel colours (Ammonium Sulphite process)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		Test for Preservatives Sorbic Acid, Sodium/ Potassium/ Calcium sorbate expressed as Sorbic acid, Benzoic acid, Sodium/ Potassium/ benzoate expressed as Benzoic acid
		Test for Antioxidants
		Gallates (Ethyl, Propyl, Octyl, Dodecyl), individual or mixture thereof
		Test for antioxidant: Butylated Hydroxy Anisole (BHA)
		BHA in combination with gallates (Ethyl, Propyl, Octyl, Dodecyl),
		Test for antioxidant: TBHQ
		Ascorbyl palmitate/ Stearate singly or in combination
		Dimethyl polysiloxane singly or in combination with silicon dioxide
		<b>Quality Parameters</b>
		Moisture
		Refractive Index at 40°C or Butyro-refractometer reading at 40C
		Iodine value (Wijs' Method)
		Saponification value

Std. Nos.	Categories	Parameters
		Unsaponifiable matter
		Free fatty acid (expressed as Oleic Acid) or Acid Value
		9:10 Epoxy and 9:10 Dihydroxy stearic acid
		Flash point (Pensky Marten closed method)
		Turbidity
		<b>Metal Contaminants</b>
		Arsenic
		Cadmium
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Zinc
		Lead
		Copper
<b>2.2.4.7</b>	<b>Kokum Fat</b>	<b>General Parameters</b>
		Kokum fat means the fat obtained from clean and sound kernels of Kokum ( <i>Garcinia indica choisy</i> ). Sample shall be free from rancidity, foreign matter, flavouring substances and clear on melting
		Test for mineral oil
		Test for Argemone oil
		Test for castor oil
		Test for animal Fat
		Test for Rancidity
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Saffron, Beta carotene, Carotene(Natural extract),Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Ethyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours(Plain), Caramel colours(Ammonium Sulphite process)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		Test for Preservatives Sorbic Acid, Sodium/ Potassium/ Calcium sorbate expressed as Sorbic acid, Benzoic acid, Sodium/ Potassium/ benzoate expressed as Benzoic acid
		Test for Antioxidants
		Gallates (Ethyl, Propyl, Octyl, Dodecyl), individual or mixture thereof
		Test for antioxidant: Butylated Hydroxy Anisole(BHA)

Std. Nos.	Categories	Parameters
		BHA in combination with gallates (Ethyl, Propyl, Octyl, Dodecyl),
		Test for antioxidant: TBHQ
		Ascorbyl palmitate/Stearate singly or in combination
		Dimethyl polysiloxane singly or in combination with silicon dioxide
		<b>Quality Parameters</b>
		Refractive Index at 40°C or Butyro-refractometer reading at 40C
		Saponification value
		Unsaponifiable matter
		Iodine value (Wijs' Method)
		Acid value
		Flash point (Pensky Marten closed method)
		<b>Metal Contaminants</b>
		Arsenic
		Cadmium
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Zinc
		Lead
		Copper
2.2.4.8	Mango Kernel Fat	<b>General Parameters</b>
		Mango Kernel fat means the fat obtained from clean and sound kernels of mango ( <i>Mangifera indica Linn</i> ). Sample shall be free from rancidity, foreign matter, flavouring substances and clear on melting
		Test for mineral oil
		Test for Argemone oil
		Test for castor oil
		Test for animal Fat
		Test for Rancidity
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Saffron, Beta carotene, Carotene(Natural extract),Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Ethyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours(Plain), Caramel colours(Ammonium Sulphite process)

Std. Nos.	Categories	Parameters
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		Test for Preservatives Sorbic Acid, Sodium/ Potassium/ Calcium sorbate expressed as Sorbic acid, Benzoic acid, Sodium/ Potassium/ benzoate expressed as Benzoic acid
		Test for Antioxidants
		Gallates (Ethyl, Propyl, Octyl, Dodecyl), individual or mixture thereof
		Test for antioxidant: Butylated Hydroxy Anisole(BHA)
		BHA in combination with gallates (Ethyl, Propyl, Octyl, Dodecyl),
		Test for antioxidant: TBHQ
		Ascorbyl palmitate/Stearate singly or in combination
		Dimethyl polysiloxane singly or in combination with silicon dioxide
		<b>Quality Parameters</b>
		Refractive Index at 40 °C or Butyro-refractometer reading at 40C
		Saponification value
		Unsaponifiable matter
		Iodine value (Wijs' Method)
		Acid value
		Flash point (Pensky Marten closed method)
		<b>Metal Contaminants</b>
		Arsenic
		Cadmium
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Zinc
		Lead
		Copper
<b>2.2.4.9</b>	<b>Dhupa Fat</b>	<b>General Parameters</b>
		Dhupa fat means the fat obtained from clean and sound seed kernels of Dhupa, also known as Indian Copal ( <i>Vateria Indica Linn</i> ) tree. Sample shall be free from rancidity, foreign matter, flavouring substances and clear on melting
		Test for mineral oil
		Test for Argemone oil
		Test for castor oil
		Test for animal Fat
		Test for Rancidity

Std. Nos.	Categories	Parameters
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Saffron, Beta carotene, Carotene(Natural extract),Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Ethyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours(Plain), Caramel colours(Ammonium Sulphite process)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		Test for Preservatives Sorbic Acid, Sodium/ Potassium/ Calcium sorbate expressed as Sorbic acid, Benzoic acid, Sodium/ Potassium/ benzoate expressed as Benzoic acid
		Test for Antioxidants
		Gallates (Ethyl, Propyl, Octyl, Dodecyl), individual or mixture thereof
		Test for antioxidant: Butylated Hydroxy Anisole(BHA)
		BHA in combination with gallates (Ethyl, Propyl, Octyl, Dodecyl),
		Test for antioxidant: TBHQ
		Ascorbyl palmitate/Stearate singly or in combination
		Dimethyl polysiloxane singly or in combination with silicon dioxide
		<b>Quality Parameters</b>
		Refractive Index at 40 °C or Butyro-refractometer reading at 40 °C
		Saponification value
		Unsaponifiable matter
		Iodine value (Wijs' Method)
		Acid value
		Flash point (Pensky Marten closed method)
		<b>Metal Contaminants</b>
		Arsenic
		Cadmium
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Zinc
		Lead
		Copper
<b>2.2.4.10</b>	<b>Phulwara Fat</b>	<b>General Parameters</b>
		Phulwa fat means the fat obtained from clean and sound seed kernels of Phulwara [variously named <i>Aisandra Butyrace (Roxb)</i>

Std. Nos.	Categories	Parameters
		[ <i>Baehni</i> ], <i>Madhuca butyracea</i> or <i>Bassia butyracea</i> ]. Sample shall be free from rancidity, foreign matter, flavouring substances and clear on melting
		Test for mineral oil
		Test for Argemone oil
		Test for castor oil
		Test for animal Fat
		Test for Rancidity
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Saffron, Beta carotene, Carotene (Natural extract), Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Ethyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours (Plain), Caramel colours (Ammonium Sulphite process))
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF)
		Test for Preservatives Sorbic Acid, Sodium/ Potassium/ Calcium sorbate expressed as Sorbic acid, Benzoic acid, Sodium/ Potassium/ benzoate expressed as Benzoic acid
		Test for Antioxidants
		Gallates (Ethyl, Propyl, Octyl, Dodecyl), individual or mixture thereof
		Test for antioxidant: Butylated Hydroxy Anisole (BHA)
		BHA in combination with gallates (Ethyl, Propyl, Octyl, Dodecyl),
		Test for antioxidant: TBHQ
		Ascorbyl palmitate/ Stearate singly or in combination
		Dimethyl polysiloxane singly or in combination with silicon dioxide
		<b>Quality Parameters</b>
		Refractive Index at 40 °C or Butyro-refractometer reading at 40 °C
		Saponification value
		Unsaponifiable matter
		Iodine value (Wijs' Method)
		Acid value
		Flash point (Pensky Marten closed method)
		<b>Metal Contaminants</b>
		Arsenic
		Cadmium

Std. Nos.	Categories	Parameters
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Zinc
		Lead
		Copper
		Hydrocyanic acid
<b>2.2.5</b>	<b>Margarine And Fat Spreads</b>	
<b>2.2.5.1</b>	<b>Table Margarine</b>	<b>General Parameters</b>
		Sample shall be free from rancidity, foreign matter, flavouring substances and clear on melting
		Test for mineral oil
		Test for Argemone oil
		Test for castor oil
		Test for animal Fat
		Test for Rancidity
		Test for Natural Colors
		a. Beta carotene
		b. Annatto extracts (as bixin/ norbixin)
		c. Curcumin or turmeric (As curcumin)
		d. Beta - apo - 8' – carotenal
		e. Methyl and ethyl esters of beta - apo - 8' caroteic acid
		f. Riboflavin, Chlorophyll, Saffron, Carotene(Natural extract), , Canthaxanthin, Caramel colours(Plain), Caramel colours(Ammonium Sulphite process)
		Test Synthetic color (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		Test for antioxidant: Butylated Hydroxy Anisole(BHA)
		Any combination of propyl gallate, BHA within limits of gallate and BHA
		Test for antioxidant: TBHQ
		Ascorbyl palmitate/Stearate singly or in combination
		Test for Preservatives (Singly or in combination)
		a. Sorbic acid, Sodium, Potassium/Calcium Sorbate (expressed as Sorbic acid)
		b. Benzoic acid, Sodium, Potassium/Calcium Sorbate (expressed as Benzoic acid acid)
		Dimethyl polysiloxane singly or in combination with silicon dioxide
		<b>Quality Parameters</b>

Std. Nos.	Categories	Parameters
		Salt (NaCl)
		Skimmed Milk Powder
		Fat
		Moisture
		Vitamin A
		Melting point of extracted fat (Capillary Slip Method)
		Unsaponifiable matter of extracted fat
		Free fatty acid (as oleic acid) of extracted fat or Acid Value
		Baudouin test for Til Oil
		Starch in colored and flavoured margarine
		<b>Metal Contaminants</b>
		Arsenic
		Cadmium
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Zinc
		Lead
		Nickel
		Copper
<b>2.2.5.2</b>	<b>Industrial Margarine</b>	<b>General Parameters</b>
		Sample shall be free from rancidity, foreign matter, flavouring substances and clear on melting
		Test for mineral oil
		Test for Argemone oil
		Test for castor oil
		Test for animal Fat
		Test for Rancidity
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Saffron, Beta carotene, Carotene(Natural extract), Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Ethyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours(Plain),

Std. Nos.	Categories	Parameters
		Caramel colours(Ammonium Sulphite process)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		Test for Preservatives (Singly or in combination)
		c. Sorbic acid, Sodium, Potassium/Calcium Sorbate (expressed as Sorbic acid)
		d. Bezoiic acid, Sodium, Potassium/Calcium Sorbate (expressed as Benzoic acid acid)
		Test for antioxidant: Butylated Hydroxy Anisole(BHA)
		Any combinaton of propyl gallate, BHA within limits of gallate and BHA
		Test for antioxidant: TBHQ
		Ascorbyl palmitate/Stearate singly or in combination
		Dimethyl polysiloxane singly or in combination with silicon dioxide
		<b>Quality Parameters</b>
		Common Salt
		Fat
		Moisture
		Vitamin A
		Trans fatty acids
		Unsaponifiable matter
		Unsaponifiable matter where proportion of Rice bran oil is more than 30 per cent by wt
		Free fatty acid calculated as Oleic acid or Acid Value
		Boudouin test
		<b>Metal Contaminants</b>
		Arsenic
		Cadmium
		Mercury
		Methyl Mercury calculated as the element
		Tin

Std. Nos.	Categories	Parameters
		Zinc
		Lead
		Nickel
		Copper
<b>2.2.5.3</b>	<b>Fat Spread</b>	<b>General Parameters</b>
		Sample shall be free from rancidity, foreign matter, flavouring substances and clear on melting
		Test for mineral oil
		Test for Argemone oil
		Test for castor oil
		Test for animal Fat
		Test for Rancidity
		Test for Natural Colors
		a. Beta carotene
		b. Annatto extracts (as bixin/ norbixin)
		c. Curcumin or turmeric (As curcumin)
		d. Beta - apo - 8' – carotenal
		e. Methyl and ethyl esters of beta - apo - 8' carotenoic acid,
		g. Riboflavin, Chlorophyll, Saffron, Carotene(Natural extract), , Canthaxanthin, Caramel colours(Plain), Caramel colours(Ammonium Sulphite process)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		Test for antioxidant: Butylated Hydroxy Anisole(BHA)
		Any combination of propyl gallate, BHA within limits of gallate and BHA
		Test for antioxidant: TBHQ
		Ascorbyl palmitate/Stearate singly or in combination
		Test for Preservatives (Singly or in combination)
		a. Sorbic acid, Sodium, Potassium/Calcium Sorbate (expressed as Sorbic acid)
		b. Benzoic acid, Sodium, Potassium/Calcium Sorbate (expressed as Benzoic acid)
		Dimethyl polysiloxane singly or in combination with silicon dioxide
		<b>Quality Parameters</b>
		Edible common salt
		Baudouin test
		Fat

Std. Nos.	Categories	Parameters
		Moisture
		Melting point of extracted fat (capillary slip method) in case of vegetable fat spread
		Unsaponifiable matter of extracted fat
		a. In case of milk fat and mixed fat spread
		b. In case of vegetable fat spread
		Acid value of extracted fat
		Synthetic Vitamin A in Vegetable fat spread
		Starch
		Sold only with Agmark Certificate in packages not more than 500g
		<b>Metal Contaminants</b>
		Arsenic
		Cadmium
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Zinc
		Lead
		Nickel
		Copper
		<b>Pesticides (Only for Milk Fat spread)</b>
		Aldrin, dieldrin (the limits apply to aldrin and dieldrin singly or in any combination and are expressed as dieldrin)
		Chlordane (residue to be measured as cis plus trans chlordane)
		D.D.T. (The limits apply to D.D.T., D.D.D. and D.D.E. singly or in any combination)
		Fenitrothion
		Heptachlor (combined residues of heptachlor and its epoxide to be determined and expressed as Heptachlor)
		Hexachlorocycle hexane and its Isomers
		(a) Alfa ( $\alpha$ ) Isomer:
		(b) Beta ( $\beta$ ) Isomer :
		(c) Gamma ( $\gamma$ ) Isomer (Known as Lindane)
		(c) Gamma ( $\gamma$ ) Isomer (Known as Lindane)
		(c) Gamma ( $\gamma$ ) Isomer (Known as Lindane)
		(d) Delta ( $\delta$ ) Isomer

Std. Nos.	Categories	Parameters
		Chlorienvinphos(Residues to be measured as alpha and beta isomers of Chlorienvinphos)
		Chlorpyrifos
		2,4D
		Ethion (Residues to be determined as ethion and its oxygen analogue and expressed as ethion)
		Monocrotophos
		Paraquat Dichloride (Determined as Paraquat cations)
		Trichlorfon
		Carbendazim
		Benomyl
		Carbofuran (sum of carbofuran and 3-hydroxy carbofuran expressed as carbofuran)
		Cypermethrin (sum of isomers) (fat soluble residue)
		Edifenphos
		Fenthion (sum of fenthion, its oxygen analogue and their sulphoxides and sulphones expressed as fenthion)
		Fenvalerate (fat soluble residue)
		Phenthoate
		Phorate (sum of Phorate, its oxygen analogue and their sulphoxides and sulphones, expressed as phorate)
		Pirimiphos-methyl
<b>2.2.6</b>	<b>Hydrogenated Vegetable Oils</b>	
<b>2.2.6.1</b>	<b>Vanaspati</b>	<b>General Parameters</b>
		Sample shall be free from rancidity, foreign matter, flavouring substances and clear on melting
		Test for mineral oil
		Test for Argemone oil
		Test for castor oil
		Test for animal Fat
		Test for Rancidity
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Saffron, Beta carotene, Carotene(Natural extract), Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Ethyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours(Plain), Caramel colours(Ammonium Sulphite process)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow

Std. Nos.	Categories	Parameters
		FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		Test for preservatives (Sorbic acid and its salts & Benzoic acid and its salts)
		Test for antioxidant: Butylated Hydroxy Anisole(BHA)
		Any combination of propyl gallate, BHA within limits of gallate and BHA
		Test for antioxidant: TBHQ
		Ascorbyl palmitate/Stearate singly or in combination
		Dimethyl polysiloxane singly or in combination with silicon dioxide
		<b>Quality Parameters</b>
		Diacetyl in Vanaspati exclusively meant for consumption by the Armed Forces
		Baudouin Test
		Refined Sal seed fat (if used)
		Moisture
		Trans fatty acids
		Unsaponifiable matter
		Unsaponifiable matter where proportion of Rice bran oil is more than 30 per cent by wt
		Free fatty acid (as oleic acid)
		Synthetic Vitamin A
		<b>Metal Contaminants</b>
		Arsenic
		Cadmium
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Zinc
		Lead
		Nickel
		Copper
<b>2.2.6.2</b>	<b>Bakery shortening</b>	<b>General Parameters</b>

Std. Nos.	Categories	Parameters
		Sample shall be free from rancidity, foreign matter, flavouring substances and clear on melting
		Test for mineral oil
		Test for Argemone oil
		Test for castor oil
		Test for animal Fat
		Test for Rancidity
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Saffron, Beta carotene, Carotene(Natural extract),Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Ethyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours(Plain), Caramel colours(Ammonium Sulphite process)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		Test for preservatives (Sorbic acid and its salts & Benzoic acid and its salts
		Test for antioxidant: Butylated Hydroxy Anisole(BHA)
		Any combination of propyl gallate, BHA within limits of gallate and BHA
		Test for antioxidant: TBHQ
		Ascorbyl palmitate/Stearate singly or in combination
		Dimethyl polysiloxane singly or in combination with silicon dioxide
		<b>Quality Parameters</b>
		Baudouin Test
		Moisture
		Trans fatty acids
		Unsaponifiable matter
		Unsaponifiable matter where proportion of Rice bran oil is more than 30 per cent by wt
		Free fatty acid (as oleic acid)
		Synthetic Vitamin A
		<b>Metal Contaminants</b>
		Arsenic
		Cadmium
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Zinc

Std. Nos.	Categories	Parameters
		Lead
		Nickel
		Copper

**\*Products should be free from all adulterants .**

# **Volume-3**

# **Fruits and Vegetable Products**

## TEST PARAMETERS FOR FRUITS & VEGETABLE PRODUCTS

In case the product contains any permitted additives as per Appendix A, the testing for the additive is also required to be carried out in addition to the prescribed parameters.

Test methods described in the manuals as amended and adopted by FSSAI from time to time shall only be used for analyzing the samples of Food Articles.

Std. Nos.	Categories	Parameters
<b>2.3</b>	<b>FRUITS &amp; VEGETABLE PRODUCTS</b>	
2.3.1	Thermally Processed Fruits(Canned/Bottled/Flexible packaged/ Aseptically packed)	General Parameters
		(Canned/Bottled/Flexible packaged/Aseptically packed) means the products obtained from sound, matured, dehydrated, fresh or frozen, peeled or un-peeled, previously packed, whole, halves or cut pieces of fruits packed with any suitable packing medium and processed by heat, in an appropriate manner, before or after being sealed in a container, so as to prevent spoilage. It may contain water, fruit juice, dry or liquid nutritive sweeteners, spices and condiments and any other ingredients suitable to the product .
		Physical examination of the package (Can, bottle, Flexible package) for rust, bulging or any other damage visible to the naked eye
		Label declaration of medium and its strength
		Benzoic acid, Sodium and Potassium benzoate
		Sulphur dioxide
		Sorbic acid and its Calcium, Sodium, Potassium Salts (Calculated as sorbic acid)
		Peaches
		Grape fruit
		Pineapple
		Pears
		Apricot
		Palmito
		Mango
		Oranges
		Plums
		Raspberries

Std. Nos.	Categories	Parameters
		Strawberries
		Guava
		Chicu
		Papaya
		Litchi
		Kenu
		Pomegranate
		Custard Apple
		Fruits not specified
		Peaches
		Grape fruit
		Pineapple
		Pears
		Apricot
		Palmito
		Mango
		Oranges
		Pineapple
		Plums
		Raspberries
		Strawberries
		Guava
		Chicu
		Papaya
		Litchi
		Kenu
		Pomegranate
		Custard Apple
		Fruits not specified
		Test for Antioxidants
		a. BHA
		b. TBHQ
		Test for Artificial sweeteners (singly)
		a. Aspartame
		b. Acesulphame K
		c. Saccharin Sodium
		d. Sucralose
		<b>Quality Parameters</b>
		Drained weight
		(i) Liquid pack
		(ii) Solid Pack

Std. Nos.	Categories	Parameters
		Filled (product) capacity of the container for rigid containers
		<b>Metal Contaminants</b>
		Arsenic
		Cadmium
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Zinc
		Lead
		Copper
		<b>Naturally occurring toxic substances (for stone fruits only)</b>
		Hydrocyanic acid
		<b>Microbiological Safety</b>
		Total Plate Count
		Incubation at 37°C for 10 days & 55°C for 7 days
		Yeast and mould count
		Flat Sour Organisms
		<i>Staphylococcus aureus</i>
		<i>Salmonella</i>
		<i>Shigella</i>
		<i>Clostridium botulinum</i>
		<i>E. coli</i>
		<i>Vibrio cholerae</i>
		<i>Listeria</i> Sp
		<b>Pesticides</b>
		Aldrin, dieldrin (the limits apply to aldrin and dieldrin singly or in any combination and are expressed as dieldrin)
		Chlordane (residue to be measured as cis plus trans chlordane)
		D.D.T. (The limits apply to D.D.T., D.D.D. and D.D.E. singly or in any combination)
		Dichlorvos (content of di-chloroacetaldehyde (D.C.A.) be reported where possible)
		Dicofol
		Dimethoate (residue to be determined as dimethoate and expressed as dimethoate)
		Endosulfan (residues are measured and reported as total of endosulfan A and B and endosulfan-sulphate)
		Fenitrothion
		Inorganic bromide (determined and expressed as total bromide from all sources)
		Hexachlorocyclohexane and its isomers

Std. Nos.	Categories	Parameters
		(a) Alfa ( $\alpha$ ) Isomer:
		(b) Beta ( $\beta$ ) Isomer :
		(c) Gamma ( $\gamma$ ) Isomer (Known as Lindane)
		(d) Delta ( $\delta$ ) Isomer
		Malathion (Malathion to be determined and expressed as combined residues of malathion and malaoxon)
		Parathion (Combined residues of parathion and paraoxon to be determined and expressed as parathion)
		Parathion methyl (combined residues of parathion methyl and its oxygen analogue to be determined and expressed asparathion methyl)
		Phosphamidon residues (expressed as the sum of phosphamidon and its desethyl derivative)
		Pyrethrins (sum of pyrethrins I & II and otherstructurally related insecticide Ingredients of pyrethrum)
		Chlorobenzilate
		Chlorpyrifos
		2,4D
		Ethion (Residues to bedetermined as ethion andlts oxygen analogueand expressed as ethion)
		Formothion (Determined as dinethoate and its oxygen Analogue and expressed as dimethoate except incase of citrus fruits where it is to be determined as formothion)
		Monocrotophos
		Paraquat Dichloride (Determined as Paraquat cations)
		Phosalone
		Trichlorfon
		Thiometon (Residues determined as thiometon its sulfoxide and sulphone expressed as thiometon)
		Carbendazim
		Benomyl
		Captan
		Carbofuran (sum of carbofuran and 3-hydroxy carbofuran expressed as carbofuran)
		Copper Oxychloride (determined as copper)
		Fenthion (sum of fenthion, its oxygen analogue and their sulphoxides and sulphones expressed as fenthion)
		Dithiocarbamates (the residue tolerance limit are determined and expressed as mg/CS <sub>2</sub> /kg and refer separately to the residues arising from any or each group of dithiocarbamates)
		Phorate (sum of Phorate, its oxygen analogue and their sulphoxides and sulphones,expressed as phorate)
		Alfa Nephthyl Acetic Acid (A.N.A.)

Std. Nos.	Categories	Parameters
		Chlormequatchloride
		Dodine
		Diuron
		Ethephon
		Thiophenatemethyl
		Fenarimol
		Hexaconazole
		Iprodione
		Tridemorph
		Penconazole
		Myclobutanil
		Dithianon
		Cymoxanil
		Triadimefon
		Fosetyl-A1
		Difenoconazole
		Dimethomorph
		Propineb
<b>2.3.2</b>	<b>Thermally Processed Fruit cocktail/tropical fruit cocktail (Canned/Bottled/Flexible packaged/ Aseptically packed)</b>	<b>General Parameters</b>
		Thermally Processed Fruit Cocktail / Tropical Fruit Cocktail (Canned, Bottled, Flexible Pack And / Or Aseptically Packed) means the product prepared from a mixture of fruits. Such fruits may be fresh, frozen, dehydrated or previously processed. The fruit mixture may be packed with any suitable packing medium and processed by heat in an appropriate manner before or after being sealed in a container so as to prevent spoilage.
		Physical examination of th package (Can, bottle, Flexible pakage) for rust, bulging or any other damage visible to the naked eye
		Declaration of names of fruit in the cocktail
		%age of each fruit used
		Label declaration of medium and its strength
		Benzoic acid, Sodium and Potassium benzoate
		Sulphur dioxide

Std. Nos.	Categories	Parameters
		Sorbic acid and its Calcium, Sodium, Potassium Salts (Calculated as sorbic acid)
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Beta carotene, Carotene (Natural extract), Annatto extract (Bixin), Beta apo-8 carotenal, Methyl and ethyl esters of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours (Plain), Caramel colours (Ammonium Sulphite process))
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF)
		Test for Antioxidants
		a. BHA
		b. TBHQ
		c. Ascorbic Acid
		Test for Artificial sweeteners (singly)
		a. Aspartame
		b. Acesulphame K
		c. Saccharin Sodium
		d. Sucralose
		<b>Quality Parameters</b>
		Drained weight
		(i) Liquid pack
		(ii) Solid Pack
		Filled (product) capacity of the container for rigid containers
		<b>Metal Contaminants</b>
		Arsenic
		Cadmium
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Zinc
		Lead
		Copper
		<b>Naturally occurring toxic substances (for stone fruits only)</b>
		Hydrocyanic acid
		<b>Microbiological Safety</b>
		Total Plate Count
		Incubation at 37°C for 10 days & 55°C for 7 days
		Yeast and mould count
		Flat Sour Organisms
		<i>Staphylococcus aureus</i>
		<i>Salmonella</i>

Std. Nos.	Categories	Parameters
		<i>Shigella</i>
		<i>Clostridium botulinum</i>
		<i>E.coli</i>
		<i>Vibrio cholerae</i>
		<i>Listeria Sp</i>
		<b>Pesticides</b>
		Aldrin, dieldrin (the limits apply to aldrin and dieldrin singly or in any combination and are expressed as dieldrin)
		Chlordane (residue to be measured as cis plus trans chlordane)
		D.D.T. (The limits apply to D.D.T., D.D.D. and D.D.E. singly or in any combination)
		Dichlorvos (content of di- chloroacetaldehyde (D.C.A.) be reported where possible)
		Dicofol
		Dimethoate (residue to be determined as dimethoate and expressed as dimethoate)
		Endosulfan (residues are measured and reported as total of endosulfan A and B and endosulfan-sulphate)
		Fenitrothion
		Inorganic bromide (determined and expressed as total bromide from all sources)
		Hexachlorocyclohexane and its Isomers
		(a) Alfa ( $\alpha$ ) Isomer:
		(b) Beta ( $\beta$ ) Isomer :
		(c) Gamma ( $\gamma$ ) Isomer (Known as Lindane)
		(d) Delta ( $\delta$ ) Isomer
		Malathion (Malathion to be determined and expressed as combined residues of malathion and malaoxon)
		Parathion (Combined residues of parathion and paraoxon to be determined and expressed as parathion)
		Parathion methyl (combined residues of parathion methyl and its oxygen analogue to be determined and expressed asparathion methyl)
		Phosphamidon residues (expressed as the sum of phosphamidon and its desethyl derivative)
		Pyrethrins (sum of pyrethrins I & II and otherstructurally related insecticide Ingredients of pyrethrum)
		Chlorobenzilate
		Chlorpyrifos
		2,4D
		Ethion (Residues to bedetermined as ethion andlts oxygen analogueand expressed as ethion)

Std. Nos.	Categories	Parameters
		Formothion (Determined as dinethoate and its oxygen Analogue and expressed as dimethoate except incase of citrus fruits where it is to be determined as formothion)
		Monocrotophos
		Paraquat Dichloride (Determined as Paraquat cations)
		Phosalone
		Trichlorfon
		Thiometon (Residues determined as thiometon its sulfoxide and sulphone expressed as thiometon)
		Carbendazim
		Benomyl
		Captan
		Carbofuran (sum of carbofuran and 3-hydroxy carbofuran expressed as carbofuran)
		Copper Oxychloride (determined as copper)
		Fenthion (sum of fenthion, its oxygen analogue and their sulphoxides and sulphones expressed as fenthion)
		Dithiocarbamates (the residue tolerance limit are determined and expressed as mg/CS2/kg and refer separately to the residues arising from any or each group of dithiocarbamates)
		Phorate (sum of Phorate, its oxygen analogue and their sulphoxides and sulphones,expressed as phorate)
		Alfa Nephthyl Acetic Acid (A.N.A.)
		Chlormequatchloride
		Dodine
		Diuron
		Ethephon
		Thiophenatemethyl
		Fenarimol
		Hexaconazole
		Iprodione
		Tridemorph
		Penconazole
		Myclobutanil
		Dithianon
		Cymoxanil
		Triadimefon
		Fosetyl-A1
		Difenoconazole
		Dimethomorph
		Propineb

Std. Nos.	Categories	Parameters
2.3.3	Thermally Processed Vegetables (Canned/Bottled/Flexible packaged/ Aseptically packed)	<b>General Parameters</b>
		Thermally Processed Vegetables (Canned, Bottled/Flexible pack / Aseptically Packed) means the product obtained from fresh, dehydrated or frozen vegetables either singly or in combination with other vegetables, peeled or un-peeled, with or without the addition of water, common salt and nutritive sweeteners, spices and condiments or any other ingredients suitable to the product, packed with any suitable packing medium appropriate to the product processed by heat, in an appropriate manner, before or after being sealed in a container so as to prevent spoilage.
		Physical examination of th package (Can, bottle, Flexible pakage) for rust, bulging or any other damage visible to the naked eye
		Declaration of names and percentage of vegetable in the package.
		Label declaration of packaging medium and its strength
		Benzoic acid, Sodium and Potassium benzoate
		Sulphur dioxide
		Sorbic acid and its Calcium,Sodium, Potassium Salts (Calculated as sorbic acid)
		Test for added Natural colours (Curcumin, Riboflavin,Chlorophyll, Beta carotene, Carotene(Natural extract),Annatto extract (Bixin), Beta apo-8 carotenal, Methyl and ethyl esters of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours(Plain), Caramel colours(Ammonium Sulphite process)
		a. Green beans/wax beans
		b. Green peas
		c. Processed peas
		d. All other vegetables
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		a. Canned Tomato
		b. Sweet corn /Baby corn
		c. Mushrooms
		d. Carrot
		e. Asparagus
		f. Chestnuts and chestnut puree
		g. Ladies finger (Okra)

Std. Nos.	Categories	Parameters
		h. Cauliflower
		i. Brinjal
		j. Sweet potato
		k. Gerkins
		l. Spinach
		m. Table onions
		n. Garlic
		o. Bell pepper
		p. Rajma
		q. All pulses/dals (whole, split)
		r. All other vegetables
		e. Green beans/wax beans
		f. Green peas
		g. Processed peas
		Test for Antioxidants (BHA, TBHQ and Ascorbyl palmitate)
		a. Canned Tomato
		b. Green beans/wax beans
		c. Sweet corn /Baby corn
		d. Mushrooms
		e. Green peas
		f. Carrot
		g. Asparagus
		h. Processed peas
		Test for Antioxidants (BHA, TBHQ and Ascorbyl palmitate)
		a. Chestnuts and chestnut puree
		b. Niger, Groundnut, Sesame and Mustard pastes & other oil seeds pastes.
		c. Ladies finger
		d. Cauliflower
		e. Brinjal
		f. Sweet potato
		g. Gerkins
		h. Spinach
		i. Table onions
		j. Garlic
		k. Bell pepper
		l. Rajma
		m. All pulses/dals (whole, split)
		n. All other vegetables
		Test for Antioxidants (Ascorbic Acid)
		a. Chestnuts and chestnut puree
		b. Niger, Groundnut, Sesame and Mustard pastes & other oil

Std. Nos.	Categories	Parameters
		seeds pastes.
		Test for Artificial sweeteners (singly)
		a. Aspartame
		b. Acesulphame K
		c. Saccharin Sodium
		d. Sucralose
		<b>Quality Parameters</b>
		Drained weight
		(i) Liquid pack
		(a) Mushroom
		(b) Green beans, carrots, peas, sweet corn/ baby corn
		(c) Mushroom Packed in sauce
		(d) Other Vegetables
		(ii) Solid Pack
		Filled (product) capacity of the container
		<b>Metal Contaminants</b>
		Arsenic
		Cadmium
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Zinc
		Lead
		Copper
		<b>Naturally occurring toxic substances</b>
		Agaric acid
		<b>Microbiological Safety</b>
		Total Plate Count
		Incubation at 37°C for 10 days & 55°C for 7 days
		Yeast and mould count
		Flat Sour Organisms
		<i>Staphylococcus aureus</i>
		<i>Salmonella</i>
		<i>Shigella</i>
		<i>Clostridium botulinum</i>
		<i>E. coli</i>
		<i>Vibrio cholerae</i>
		<i>Listeria</i> spp
		<b>Pesticides</b>
		Aldrin, dieldrin (the limits apply to aldrin and dieldrin singly or in any combination and are expressed as dieldrin)

Std. Nos.	Categories	Parameters
		Carbaryl
		Chlordane (residue to be measured as cis plus trans chlordane)
		D.D.T. (The limits apply to D.D.T., D.D.D. and D.D.E. singly or in any combination)
		Diazinon
		Dichlorvos (content of di- chloroacetaldehyde (D.C.A.) be reported where possible)
		Dicofol
		Dimethoate (residue to be determined as dimethoate and expressed as dimethoate)
		Endosulfan (residues are measured and reported as total of endosulfan A and B and endosulfan-sulphate)
		Fenitrothion
		Heptachlor (combined residues of heptachlor and its epoxide to be determined and expressed as Heptachlor)
		Hexachlorocycle hexane and its Isomers
		(a) Alfa ( $\alpha$ ) Isomer:
		(b) Beta ( $\beta$ ) Isomer :
		(c) Gamma ( $\gamma$ ) Isomer (Known as Lindane)
		(d) Delta ( $\delta$ ) Isomer
		Malathion (Malathion to be determined and expressed as combined residues of malathion and malaoxon)
		Parathion (Combined residues of parathion and paraoxon to be determined and expressed as parathion)
		Parathion methyl (combined residues of parathion methyl and its oxygen analogue to be determined and expressed asparathion methyl)
		Phosphamidon residues (expressed as the sum of phosphamidon and its desethyl derivative)
		Pyrethrins (sum of pyrethrins I & II and otherstructurally related insecticide Ingredients of pyrethrum)
		Chlorienvinphos(Residues to be measured as alpha and beta isomers of Chlorienvinphos)
		Chlorpyrifos
		Ethion (Residues to bedetermined as ethion andlts oxygen analogueand expressed as ethion)
		Formothion (Determined as dinethoate and its oxygen Analogue and expressed as dimethoate except incase of citrus fruits where it is to be determined as formothion)
		Monocrotophos
		Paraquat Dichloride (Determined as Paraquat cations)
		Phosalone
		Trichlorfon

Std. Nos.	Categories	Parameters
		Thiometon (Residues determined as thiometon its sulfoxide and sulphone expressed as thiometon)
		Carbendazim
		Benomyl
		Captan
		Carbofuran (sum of carbofuran and 3-hydroxy carbofuran expressed as carbofuran)
		Copper Oxchloride (determined as copper)
		Fenthion (sum of fenthion, its oxygen analogue and their sulphoxides and sulphones expressed as fenthion)
		Fenvalerate (fat soluble residue)
		Dithiocarbamates (the residue tolerance limit are determined and expressed as mg/CS2/kg and refer separately to the residues arising from any or each group of dithiocarbamates)
		Phorate (sum of Phorate, its oxygen analogue and their sulphoxides and sulphones,expressed as phorate)
		Captafol
		Ethephon
		Permethrin
		Iprodione
		Spinosad
		Triadimefon
		Metiram
		Lufenuron
		Novoluron
<b>2.3.4</b>	<b>Thermally Processed Curried Vegetables/Ready-to-eat Vegetables</b>	<b>General Parameters</b>
		Thermally Processed Curried Vegetables / Ready to Eat Vegetables means the product prepared from fresh, dehydrated or frozen or previously processed vegetables, legumes, cereals or pulses, whether whole or cut into pieces. The vegetable(s), either singly or in combination, may be prepared in any suitable style applicable for the respective vegetable in normal culinary preparation. It may contain salt, nutritive sweeteners, spices and condiments, edible vegetable oils and fats, milk fat and any other ingredients suitable to the product and processed by heat, in an appropriate manner, before or after being- in a container, so as to prevent spoilage.
		Physical examination of th package (Can, bottle, Flexible pakage) for rust, bulging or any other damage visible to the naked eye

Std. Nos.	Categories	Parameters
		Benzoic acid, Sodium and Potassium benzoate
		Sulphur dioxide
		Sorbic acid and its Calcium, Sodium, Potassium Salts (Calculated as sorbic acid)
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Beta carotene, Carotene (Natural extract), Annatto extract (Bixin), Beta apo-8 carotenal, Methyl and ethyl esters of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours (Plain), Caramel colours (Ammonium Sulphite process))
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF)
		Test for Antioxidants (BHA, TBHQ and Ascorbyl palmitate)
		Test for Artificial sweeteners (singly)
		a. Aspartame
		b. Acesulphame K
		c. Saccharin Sodium
		d. Sucralose
		<b>Quality Parameters</b>
		Filled (product) capacity of the container
		<b>Metal Contaminants</b>
		Arsenic
		Cadmium
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Zinc
		Lead
		Copper
		<b>Microbiological Safety</b>
		Total Plate Count
		Incubation at 37°C for 10 days & 55°C for 7 days
		Yeast and mould count
		Flat Sour Organisms
		<i>Staphylococcus aureus</i>
		<i>Salmonella</i>
		<i>Shigella</i>
		<i>Clostridium botulinum</i>
		<i>E. coli</i>
		<i>Vibrio cholerae</i>
		<i>Listeria</i> spp
		<b>Pesticides</b>

Std. Nos.	Categories	Parameters
		Aldrin, dieldrin (the limits apply to aldrin and dieldrin singly or in any combination and are expressed as dieldrin)
		Carbaryl
		Okra and leafy vegetables
		All other vegetables
		Chlordane (residue to be measured as cis plus trans chlordane)
		D.D.T. (The limits apply to D.D.T., D.D.D. and D.D.E. singly or in any combination)
		Dichlorvos (content of di- chloroacetaldehyde (D.C.A.) be reported where possible)
		Diazinon
		Dicofol
		Dimethoate (residue to be determined as dimethoate and expressed as dimethoate)
		Endosulfan (residues are measured and reported as total of endosulfan A and B and endosulfan-sulphate)
		Fenitrothion
		Heptachlor (combined residues of heptachlor and its epoxide to be determined and expressed as Heptachlor)
		Hexachlorocyclohexane and its Isomers
		(a) Alfa ( $\alpha$ ) Isomer:
		(b) Beta ( $\beta$ ) Isomer :
		(c) Gamma ( $\gamma$ ) Isomer (Known as Lindane)
		(d) Delta ( $\delta$ ) Isomer
		Malathion (Malathion to be determined and expressed as combined residues of malathion and malaoxon)
		Parathion (Combined residues of parathion and paraoxon to be determined and expressed as parathion)
		Parathion methyl (combined residues of parathion methyl and its oxygen analogue to be determined and expressed asparathion methyl)
		Phosphamidon residues (expressed as the sum of phosphamidon and its desethyl derivative)
		Pyrethrins (sum of pyrethrins I & II and otherstructurally related insecticide Ingredients of pyrethrum)
		Chlorienvinphos(Residues to be measured as alpha and beta isomers of Chlorienvinphos)
		Chlorpyrifos
		Ethion (Residues to bedetermined as ethion andIts oxygen analogueand expressed as ethion)
		Formothion (Determined as dinethoate and its oxygen Analogue and expressed as dimethoate except incase of citrus fruits where it is to be

Std. Nos.	Categories	Parameters
		determined as formothion)
		Monocrotophos
		Paraquat Dichloride (Determined as Paraquat cations)
		Phosalone
		Trichlorfon
		Thiometon (Residues determined as thiometon its sulfoxide and sulphone expressed as thiometon)
		Carbendazim
		Benomyl
		Captan
		Carbofuran (sum of carbofuran and 3-hydroxy carbofuran expressed as carbofuran)
		Copper Oxychloride (determined as copper)
		Fenthion (sum of fenthion, its oxygen analogue and their sulphoxides and sulphones expressed as fenthion)
		Fenvalerate (fat soluble residue)
		Dithiocarbamates (the residue tolerance limit are determined and expressed as mg/CS <sub>2</sub> /kg and refer separately to the residues arising from any or each group of dithiocarbamates)
		Phorate (sum of Phorate, its oxygen analogue and their sulphoxides and sulphones, expressed as phorate)
		Captafol
		Ethephon
		Permethrin
		Iprodione
		Spinosad
		Triadimefon
		Metiram
		Lufenuron
		Novoluron
2.3.5	Thermally Processed Vegetable soups (Canned/Bottled/Flexible packaged/Aseptically packed)	<b>General Parameters</b>
		Thermally Processed Vegetable Soups (Canned, Bottled, flexible pack And/ Or Aseptically Packed) means unfermented but fermentable product, intended for direct consumption, prepared from juice/ pulp/puree of sound, mature vegetables, fresh, dehydrated, frozen or previously processed,

Std. Nos.	Categories	Parameters
		singly or in combination, by blending with salt, nutritive sweeteners, spices and condiments and any other ingredients suitable to the product, cooked to a suitable consistency and processed by heat in an appropriate manner, before or after being sealed in a container, so as to prevent spoilage. It may be clear, turbid or cloudy.
		Physical examination of th package (Can, bottle, Flexible pakage) for rust, bulging or any other damage visible to the naked eye
		Benzoic acid, Sodium and Potassium benzoate
		Sulphur dioxide
		Sorbic acid and its Calcium,Sodium, Potassium Salts (Calculated as sorbic acid)
		Test for Synthetic colour and inorganic colouring matter
		a. Ponceau 4R
		b. Erythrosine
		c. Carmoisine
		d. Tartrazine
		e. Sunset Yellow FCF
		f. Indigo carmine
		g. Brilliant blue FCF
		h. Fast green FCF
		Test for Antioxidants (BHA, TBHQ and ascorbyl palmitate)
		Test for Arificial sweeteners (singly)
		a. Aspartame
		b. Acesulphame K
		c. Saccharin Sodium
		d. Sucralose
		<b>Quality Parameters</b>
		Total Soluble Solids (m/m)
		Filled (product) capacity of the container
		<b>Metal Contaminants</b>
		Arsenic
		Cadmium
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Zinc
		Lead
		Copper
		<b>Naturally occurring toxic substances</b>
		Saffrole
		<b>Microbiological Safety</b>
		Total Plate Count

Std. Nos.	Categories	Parameters
		Incubation at 37°C for 10 days & 55°C for 7 days
		Yeast and mould count
		Mould count (for Tomato soup only)
		Yeast and spores (for Tomato soup only)
		Flat Sour Organisms
		<i>Staphylococcus aureus</i>
		<i>Salmonella</i>
		<i>Shigella</i>
		<i>Clostridium botulinum</i>
		<i>E.coli</i>
		<i>Vibrio cholerae</i>
		<i>Listeria</i> spp
		<b>Pesticides</b>
		Aldrin, dieldrin (the limits apply to aldrin and dieldrin singly or in any combination and are expressed as dieldrin)
		Carbaryl
		Chlordane (residue to be measured as cis plus trans chlordane)
		D.D.T. (The limits apply to D.D.T., D.D.D. and D.D.E. singly or in any combination)
		Diazinon
		Dichlorvos (content of di- chloroacetaldehyde (D.C.A.) be reported where possible)
		Dicofol
		Dimethoate (residue to be determined as dimethoate and expressed as dimethoate)
		Endosulfan (residues are measured and reported as total of endosulfan A and B and endosulfan-sulphate)
		Fenitrothion
		Heptachlor (combined residues of heptachlor and its epoxide to be determined and expressed as Heptachlor)
		Hexachlorocycle hexane and its Isomers
		(a) Alfa ( $\alpha$ ) Isomer:
		(b) Beta ( $\beta$ ) Isomer :
		(c) Gamma ( $\gamma$ ) Isomer (Known as Lindane)
		(d) Delta ( $\delta$ ) Isomer
		Malathion (Malathion to be determined and expressed as combined residues of malathion and malaaxon)
		Parathion (Combined residues of parathion and paraoxon to be determined and expressed as parathion)
		Parathion methyl (combined residues of parathion methyl and its oxygen analogue to be determined and expressed asparathion methyl)

Std. Nos.	Categories	Parameters
		Phosphamidon residues (expressed as the sum of phosphamidon and its desethyl derivative)
		Pyrethrins (sum of pyrethrins I & II and otherstructurally related insecticide Ingredients of pyrethrum)
		Chlorienvinphos(Residues to be measured as alpha and beta isomers of Chlorienvinphos)
		Chlorpyrifos
		Ethion (Residues to bedetermined as ethion andlts oxygen analogueand expressed as ethion)
		Formothion (Determined as dinethoate and its oxygen Analogue and expressed as dimethoate except incase of citrus fruits where it is to be determined as formothion)
		Monocrotophos
		Paraquat Dichloride (Determined as Paraquat cations)
		Phosalone
		Trichlorfon
		Thiometon (Residues determined as thiometon its sulfoxide and sulphone expressed as thiometon)
		Carbendazim
		Benomyl
		Captan
		Carbofuran (sum of carbofuran and 3-hydroxy carbofuran expressed as carbofuran)
		Copper Oxychloride (determined as copper)
		Fenthion (sum of fenthion, its oxygen analogue and their sulphoxides and sulphones expressed as fenthion)
		Fenvalerate (fat soluble residue)
		Dithiocarbamates (the residue tolerance limit are determined and expressed as mg/CS2/kg and refer separately to the residues arising from any or each group of dithiocarbamates)
		Phorate (sum of Phorate, its oxygen analogue and their sulphoxides and sulphones,expressed as phorate)
		Captafol
		Ethephon
		Permethrin
		Iprodione
		Spinosad
		Triadimefon
		Metiram
		Lufenuron
		Novoluron

Std. Nos.	Categories	Parameters
2.3.6	Thermally Processed Fruit Juices (Canned/Bottled/Flexible packaged /Aseptically packed)	<b>General Parameters</b>
		Thermally Processed Fruits Juices (Canned, Bottled, Flexible And/Or Aseptically Packed) means unfermented but fermentable product, pulpy, turbid or clear, intended for direct consumption obtained by a mechanical process from sound, ripe fruit or the flesh thereof and processed by heat, in an appropriate manner, before or after being sealed in a container, so as to prevent spoilage.
		Physical examination of th package (Can, bottle, Flexible pakage) for rust, bulging or any other damage visible to the naked eye
		Benzoic acid, Sodium and Potassium benzoate
		Sulphur dioxide
		Sorbic acid and its Calcium,Sodium, Potassium Salts (Calculated as sorbic acid)
		Test for added Natural colours (Curcumin, Riboflavin,Chlorophyll, Beta carotene, Carotene(Natural extract),Annatto extract (Bixin), Beta apo-8 carotenal, Methyl and ethyl esters of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours(Plain), Caramel colours(Ammonium Sulphite process)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		Test for Antioxidants (BHA, TBHQ and ascorbyl palmitate)
		Test for Arificial sweeteners (singly)
		a. Aspartame
		b. Acesulphame K
		c. Saccharin Sodium
		d. Sucralose
		<b>Quality Parameters</b>
		Filled (product) capacity of the container
		1. Apple Juice
		Total Soluble Solids (Min %)
		Acidity expressed as Malic Acid Max.(%)
		Added Nutritive Sweetners Max (g/kg)
		2. Orange Juice

Std. Nos.	Categories	Parameters
		i) Freshly expressed
		Total Soluble Solids (Min %)
		Acidity expressed as Citric Acid Max.(%)
		Added Nutritive Sweetners Max(g/kg)
		ii) Reconstituted from concentrate
		Total Soluble Solids (Min %)
		Acidity expressed as Citric Acid Max.(%)
		Added Nutritive Sweetners Max(g/kg)
		3. Grape Fruit Juice
		Total Soluble Solids (Min.%)
		Added Nutritive Sweetners Max(g/kg)
		4. Lemon Juice
		Total Soluble Solids (Min.%)
		Acidity expressed as Citric Acid Max.(%)
		Added Nutritive Sweetners Max(g/kg)
		5. Lime Juice
		Acidity expressed as Citric Acid Max.(%)
		Added Nutritive Sweetners Max(g/kg)
		6. Grape Juice
		(i) Freshly expressed
		Total Soluble Solids (Min.%)
		Acidity expressed as Citric Acid Max.(%)
		(ii) Reconstituted from concentrate
		Total Soluble Solids (Min.%)
		Acidity expressed as Citric Acid Max.(%)
		7. Pineapple Juice
		(i) Freshly expressed
		Total Soluble Solids (Min.%)
		Acidity expressed as Citric Acid Max.(%)
		Added Nutritive Sweetners Max(g/kg)
		ii) Reconstituted from concentrate
		Total Soluble Solids (Min.%)
		Acidity expressed as Citric Acid Max.(%)
		8. Black Currant
		Total Soluble Solids (Min.%)
		Acidity expressed as Citric Acid Max.(%)
		Added Nutritive Sweetners Max(g/kg)
		9. Mango, Guava or any other pulp fruit
		Total Soluble Solids (Min.%)
		Acidity expressed as Citric Acid Max.(%)
		Added Nutritive Sweetners Max(g/kg)
		10. Other fruit juices of single species- not very acidic

Std. Nos.	Categories	Parameters
		Total Soluble Solids (Min.%)
		Acidity expressed as Citric Acid Max.(%)
		Added Nutritive Sweetners Max(g/kg)
		11. Other fruit juices of single species - very acidic
		Total Soluble Solids (Min.%)
		Acidity expressed as Citric Acid Max.(%)
		Added Nutritive Sweetners Max(g/kg)
		12. Other fruit juices of single species or combination thereof - not very acidic
		Total Soluble Solids (Min.%)
		Acidity expressed as Citric Acid Max.(%)
		Added Nutritive Sweetners Max(g/kg)
		13. Other fruit juices of single species or combination thereof - very acidic
		Total Soluble Solids (Min.%)
		Acidity expressed as Citric Acid Max.(%)
		Added Nutritive Sweetners Max(g/kg)
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Tin
		Zinc
		Cadmium
		Mercury
		Methyl Mercury calculated as the element
		<b>Crop Contaminants Naturally occurring toxic substances</b>
		Patulin (Apple juice only)
		Hydrocyanic acid (for stone fruits only)
		<b>Microbiological Safety</b>
		Total Plate Count
		Incubation at 37°C for 10 days & 55°C for 7 days
		Yeast and mould count
		Flat Sour Organisms
		<i>Staphylococcus aureus</i>
		<i>Salmonella</i>
		<i>Shigella</i>
		<i>Clostridium botulinum</i>
		<i>E.coli</i>
		<i>Vibrio cholerae</i>
		<i>Listeria</i> sp

Std. Nos.	Categories	Parameters
		<b>Pesticides</b>
		Aldrin, dieldrin (the limits apply to aldrin and dieldrin singly or in any combination and are expressed as dieldrin)
		Chlordane (residue to be measured as cis plus trans chlordane)
		D.D.T. (The limits apply to D.D.T., D.D.D. and D.D.E. singly or in any combination)
		Dichlorvos (content of di- chloroacetaldehyde (D.C.A.) be reported where possible)
		Dicofol
		Dimethoate (residue to be determined as dimethoate and expressed as dimethoate)
		Endosulfan (residues are measured and reported as total of endosulfan A and B and endosulfan-sulphate)
		Fenitrothion
		Inorganic bromide (determined and expressed as total bromide from all sources)
		Hexachlorocyclohexane and its Isomers
		(a) Alfa ( $\alpha$ ) Isomer:
		(b) Beta ( $\beta$ ) Isomer :
		(c) Gamma ( $\gamma$ ) Isomer (Known as Lindane)
		(d) Delta ( $\delta$ ) Isomer
		Malathion (Malathion to be determined and expressed as combined residues of malathion and malaoxon)
		Parathion (Combined residues of parathion and paraoxon to be determined and expressed as parathion)
		Parathion methyl (combined residues of parathion methyl and its oxygen analogue to be determined and expressed as parathion methyl)
		Phosphamidon residues (expressed as the sum of phosphamidon and its desethyl derivative)
		Pyrethrins (sum of pyrethrins I & II and other structurally related insecticide ingredients of pyrethrum)
		Chlorobenzilate
		Chlorpyrifos
		2,4D
		Ethion (Residues to be determined as ethion and its oxygen analogue and expressed as ethion)
		Formothion (Determined as dimethoate and its oxygen Analogue and expressed as dimethoate except in case of citrus fruits where it is to be determined as formothion)
		Monocrotophos
		Paraquat Dichloride (Determined as Paraquat cations)

Std. Nos.	Categories	Parameters
		Phosalone
		Trichlorfon
		Thiometon (Residues determined as thiometon its sulfoxide and sulphone expressed as thiometon)
		Carbendazim
		Benomyl
		Captan
		Carbofuran (sum of carbofuran and 3-hydroxy carbofuran expressed as carbofuran)
		Copper Oxychloride (determined as copper)
		Fenthion (sum of fenthion, its oxygen analogue and their sulphoxides and sulphones expressed as fenthion)
		Dithiocarbamates (the residue tolerance limit are determined and expressed as mg/CS2/kg and refer separately to the residues arising from any or each group of dithiocarbamates)
		Phorate (sum of Phorate, its oxygen analogue and their sulphoxides and sulphones,expressed as phorate)
		Alpha Nephthyl Acetic Acid (A.N.A)
		Chlormequatchloride
		Dodine
		Diuron
		Ethephon
		Thiophenatemethyl
		Fenarimol
		Hexaconazole
		Iprodione
		Tridemorph
		Penconazole
		Myclobutanil
		Dithianon
		Cymoxanil
		Triadimefon
		Fosetyl-A1
		Difenoconazole
		Dimethomorph
		Propineb
2.3.7	Thermally Processed Vegetable Juices (Canned/Bottled/	General Parameters

Std. Nos.	Categories	Parameters
	Flexible packaged /Aseptically packed)	
		<p>Thermally Processed Vegetable Juices (Canned, Bottled, Flexible Pack And/Or Aseptically Packed) means the unfermented but fermentable product or may be lactic acid fermented product intended for direct consumption obtained from the edible part of one or more vegetables, including roots, and tubers (e.g. carrots, garlic) stems and shoots (e.g. Asparagus), leaves and flowers (e.g. spinach and cauliflower) and legumes (e.g. peas) singly or in combination, may be clear, turbid or pulpy, may have been concentrated &amp; reconstituted with water suitable for the purpose of maintaining the essential composition &amp; quality factors of the juice and processed by heat, in an appropriate manner, before or after being sealed in a container, so as to prevent spoilage. It may contain salt, nutritive sweeteners, spices and condiments, vinegar, whey or lactoserum having undergone lactic acid fermentation not more than 100 gm/kg and any other ingredients suitable to the product.</p>
		Physical examination of th package (Can, bottle, Flexible pakage) for rust, bulging or any other damage visible to the naked eye
		Benzoic acid, Sodium and Potassium benzoate
		Sulphur dioxide
		Sorbic acid and its Calcium,Sodium, Potassium Salts (Calculated as sorbic acid)
		Test for added Natural colours (Curcumin, Riboflavin,Chlorophyll, Beta carotene, Carotene(Natural extract),Annatto extract (Bixin), Beta apo-8 carotenal, Methyl and ethyl esters of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours(Plain), Caramel colours(Ammonium Sulphite process)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		Test for Antioxidants (BHA, TBHQ and Ascorbyl palmitate)
		Test for Artificial sweeteners (singly)
		a. Aspartame
		b. Acesulphame K
		c. Saccharin Sodium
		d. Sucralose
		<b>Quality Parameters</b>
		Filled (product) capacity of the container
		Total Soluble Solids free of added salts

Std. Nos.	Categories	Parameters
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Tin
		Zinc
		Cadmium
		Mercury
		Methyl Mercury calculated as the element
		<b>Microbiological Safety</b>
		Total Plate Count
		Incubation at 37°C for 10 days & 55°C for 7 days
		Yeast and mould count
		Flat Sour Organisms
		<i>Staphylococcus aureus</i>
		<i>Salmonella</i>
		<i>Shigella</i>
		<i>Clostridium botulinum</i>
		<i>E.coli</i>
		<i>Vibrio cholerae</i>
		<i>Listeria sp.</i>
		<b>Pesticides</b>
		Aldrin, dieldrin (the limits apply to aldrin and dieldrin singly or in any combination and are expressed as dieldrin)
		Carbaryl
		Chlordane (residue to be measured as cis plus trans chlordane)
		D.D.T. (The limits apply to D.D.T., D.D.D. and D.D.E. singly or in any combination)
		Diazinon
		Dichlorvos (content of di-chloroacetaldehyde (D.C.A.) be reported where possible)
		Dicofol
		Dimethoate (residue to be determined as dimethoate and expressed as dimethoate)

Std. Nos.	Categories	Parameters
		Endosulfan (residues are measured and reported as total of endosulfan A and B and endosulfan-sulphate)
		Fenitrothion
		Heptachlor (combined residues of heptachlor and its epoxide to be determined and expressed as Heptachlor)
		Hexachlorocyclohexane and its Isomers
		(a) Alfa ( $\alpha$ ) Isomer:
		(b) Beta ( $\beta$ ) Isomer :
		(c) Gamma ( $\gamma$ ) Isomer (Known as Lindane)
		(d) Delta ( $\delta$ ) Isomer
		Malathion (Malathion to be determined and expressed as combined residues of malathion and malaoxon)
		Parathion (Combined residues of parathion and paraoxon to be determined and expressed as parathion)
		Parathion methyl (combined residues of parathion methyl and its oxygen analogue to be determined and expressed as parathion methyl)
		Phosphamidon residues (expressed as the sum of phosphamidon and its desethyl derivative)
		Pyrethrins (sum of pyrethrins I & II and other structurally related insecticide ingredients of pyrethrum)
		Chlorfenvinphos (Residues to be measured as alpha and beta isomers of Chlorfenvinphos)
		Chlorpyrifos
		Ethion (Residues to be determined as ethion and its oxygen analogue and expressed as ethion)
		Formothion (Determined as dinethoate and its oxygen analogue and expressed as dimethoate except in case of citrus fruits where it is to be determined as formothion)
		Monocrotophos
		Paraquat Dichloride (Determined as Paraquat cations)
		Phosalone
		Trichlorfon
		Thiometon (Residues determined as thiometon its sulfoxide and sulphone expressed as thiometon)
		Carbendazim
		Benomyl
		Captan
		Carbofuran (sum of carbofuran and 3-hydroxy carbofuran expressed as carbofuran)

Std. Nos.	Categories	Parameters
		Copper Oxychloride (determined as copper)
		Fenthion (sum of fenthion, its oxygen analogue and their sulphoxides and sulphones expressed as fenthion)
		Fenvalerate (fat soluble residue)
		Dithiocarbamates (the residue tolerance limit are determined and expressed as mg/CS <sub>2</sub> /kg and refer separately to the residues arising from any or each group of dithiocarbamates)
		Phorate (sum of Phorate, its oxygen analogue and their sulphoxides and sulphones, expressed as phorate)
		Captafol
		Ethephon
		Permethrin
		Iprodione
		Spinosad
		Triadimefon
		Metiram
		Lufenuron
		Novoluron
2.3.8	Thermally Processed Tomato Juice	<b>General Parameters</b>
		Thermally Processed Tomato Juice means the unfermented juice obtained by mechanical process from tomatoes ( <i>Lycopersicon esculentus L</i> ) of proper maturity and processed by heat, in an appropriate manner, before or after being sealed in a container, so as to prevent spoilage. The juice may have been concentrated and reconstituted with water for the purpose of maintaining the essential composition and quality factors of the juice. The product may contain salt and other ingredients suitable to the product.
		Physical examination of the package (Can, bottle, Flexible package) for rust, bulging or any other damage visible to the naked eye
		Skin, seeds other coarse parts of tomato
		Benzoic acid, Sodium and Potassium benzoate
		Sulphur dioxide
		Sorbic acid and its Calcium, Sodium, Potassium Salts (Calculated as sorbic acid)

Std. Nos.	Categories	Parameters
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Beta carotene, Carotene(Natural extract), Annatto extract (Bixin), Beta apo-8 carotenal, Methyl and ethyl esters of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours(Plain), Caramel colours(Ammonium Sulphite process)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		Test for Antioxidants (BHA, TBHQ and ascorbyl palmitate)
		Test for Artificial sweeteners (singly)
		a. Aspartame
		b. Acesulphame K
		c. Saccharin Sodium
		d. Sucralose
		<b>Quality Parameters</b>
		Filled (product) capacity of the container
		Total Soluble Solids free of added salts
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Tin
		Zinc
		Cadmium
		Mercury
		Methyl Mercury calculated as the element
		<b>Microbiological Safety</b>
		Total Plate Count
		Incubation at 37°C for 10 days & 55°C for 7 days
		Mould count
		Yeast and spores
		Flat Sour Organisms
		<i>Staphylococcus aureus</i>
		<i>Salmonella</i>
		<i>Shigella</i>

Std. Nos.	Categories	Parameters
		<i>Clostridium botulinum</i>
		<i>E.coli</i>
		<i>Vibrio cholerae</i>
		<i>Listeria sp.</i>
		<b>Pesticides</b>
		Aldrin, dieldrin (the limits apply to aldrin and dieldrin singly or in any combination and are expressed as dieldrin)
		Carbaryl
		Chlordane (residue to be measured as cis plus trans chlordane)
		D.D.T. (The limits apply to D.D.T., D.D.D. and D.D.E. singly or in any combination)
		Diazinon
		Dichlorvos (content of di- chloroacetaldehyde (D.C.A.) be reported where possible)
		Dicofol
		Dimethoate (residue to be determined as dimethoate and expressed as dimethoate)
		Endosulfan (residues are measured and reported as total of endosulfan A and B and endosulfan-sulphate)
		Fenitrothion
		Heptachlor (combined residues of heptachlor and its epoxide to be determined and expressed as Heptachlor)
		Hexachlorocyclohexane and its Isomers
		(a) Alfa ( $\alpha$ ) Isomer:
		(b) Beta ( $\beta$ ) Isomer :
		(c) Gamma ( $\gamma$ ) Isomer (Known as Lindane)
		(d) Delta ( $\delta$ ) Isomer
		Malathion (Malathion to be determined and expressed as combined residues of malathion and malaoxon)
		Parathion (Combined residues of parathion and paraoxon to be determined and expressed as parathion)
		Parathion methyl (combined residues of parathion methyl and its oxygen analogue to be determined and expressed asparathion methyl)
		Phosphamidon residues (expressed as the sum of phosphamidon and its desethyl derivative)
		Pyrethrins (sum of pyrethrins I & II and otherstructurally related insecticide Ingredients of pyrethrum)
		Chlorienvinphos(Residues to be measured as alpha and beta isomers of Chlorienvinphos)

Std. Nos.	Categories	Parameters
		Chlorpyrifos
		Ethion (Residues to be determined as ethion and its oxygen analogue and expressed as ethion)
		Formothion (Determined as dimethoate and its oxygen Analogue and expressed as dimethoate except in case of citrus fruits where it is to be determined as formothion)
		Monocrotophos
		Paraquat Dichloride (Determined as Paraquat cations)
		Phosalone
		Trichlorfon
		Thiometon (Residues determined as thiometon its sulfoxide and sulphone expressed as thiometon)
		Carbendazim
		Benomyl
		Captan
		Carbofuran (sum of carbofuran and 3-hydroxy carbofuran expressed as carbofuran)
		Copper Oxychloride (determined as copper)
		Fenthion (sum of fenthion, its oxygen analogue and their sulphoxides and sulphones expressed as fenthion)
		Dithiocarbamates (the residue tolerance limit are determined and expressed as mg/CS <sub>2</sub> /kg and refer separately to the residues arising from any or each group of dithiocarbamates)
		Phorate (sum of Phorate, its oxygen analogue and their sulphoxides and sulphones, expressed as phorate)
		Captafol
		Ethephon
		Iprodione
		Metiram
		Novoluron
2.3.9	Thermally Processed Fruit Nectar (Canned/ Bottled/Flexible packaged/Aseptically packed)	<b>General Parameters</b>
		Thermally Processed Fruit Nectars (Canned, Bottled, Flexible Pack And / Or Aseptically Packed) means an unfermented but fermentable pulpy or non-pulpy, turbid or clear product intended for direct consumption made from fruit singly or in combination, obtained by blending the fruit juice / pulp/fruit juice concentrate and/ or edible part of sound, ripe fruit(s), concentrated or unconcentrated with

Std. Nos.	Categories	Parameters
		water, nutritive sweeteners and any other ingredient appropriate to the product and processed by heat, in an appropriate manner, before or after being sealed in a container, so as to prevent spoilage. Lemon and Lime juice may be added as an acidifying agent in quantities which would not impair characteristic fruit flavour of the fruit used.
		Physical examination of th package (Can, bottle, Flexible pakage) for rust, bulging or any other damage visible to the naked eye
		Benzoic acid, Sodium and Potassium benzoate
		Sulphur dioxide
		Sorbic acid and its Calcium,Sodium, Potassium Salts (Calculated as sorbic acid)
		Test for added Natural colours (Curcumin, Riboflavin,Chlorophyll, Beta carotene, Carotene(Natural extract),Annatto extract (Bixin), Beta apo-8 carotenal, Methyl and ethyl esters of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours(Plain), Caramel colours(Ammonium Sulphite process)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		Test for Antioxidants (BHA, TBHQ and ascorbyl palmitate)
		Test for Arificial sweeteners (singly)
		a. Aspartame
		b. Acesulphame K
		c. Saccharin Sodium
		d. Sucralose
		Test for Non Nutritive Sweetener
		a. Steviol Glycoside
		<b>Quality Parameters</b>
		Filled (product) capacity of the container
		a. Orange Nectar
		Total Soluble Solids (Min.%)
		Min Fruit Content(%)
		Acidity Exoressed as Citric Acid Max(%)
		b. Grape Fruit Nectar
		Total Soluble Solids (Min.%)
		Min Fruit Content(%)
		Acidity Expressed as Citric Acid Max(%)
		c. Pineapple Nectar
		Total Soluble Solids (Min.%)
		Min Fruit Content(%)
		Acidity Expressed as Citric Acid Max(%)
		d. Mango Nectar

Std. Nos.	Categories	Parameters
		Total Soluble Solids (Min.%)
		Min Fruit Content(%)
		Acidity Expressed as Citric Acid Max(%)
		e. Guava Nectar
		Total Soluble Solids (Min.%)
		Min Fruit Content(%)
		Acidity Expressed as Citric Acid Max(%)
		f. Peach Nectar
		Total Soluble Solids (Min.%)
		Min Fruit Content(%)
		Acidity Expressed as Citric Acid Max(%)
		g. Pear Nectar
		Total Soluble Solids (Min.%)
		Min Fruit Content(%)
		Acidity Expressed as Citric Acid Max(%)
		h. Apricot Nectar
		Total Soluble Solids (Min.%)
		Min Fruit Content(%)
		Acidity Expressed as Citric Acid Max(%)
		i. Non-pulpy Black Currant Nectar
		Total Soluble Solids (Min.%)
		Min Fruit Content(%)
		Acidity Expressed as Citric Acid Max(%)
		j. Other Fruit Nectars of High Acidity/Pulpy/Strong Flavour
		Total Soluble Solids (Min.%)
		Min Fruit Content(%)
		Acidity Expressed as Citric Acid Max(%)
		k. Mixed Fruit Nectar
		Total Soluble Solids (Min.%)
		Min Fruit Content(%)
		Acidity Expressed as Citric Acid Max(%)
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Tin
		Zinc
		Cadmium
		Mercury
		Methyl Mercury calculated as the element
		<b>Naturally occurring toxic substances (stone fruits only)</b>
		Hydrocyanic acid

Std. Nos.	Categories	Parameters
		<b>Microbiological Safety</b>
		Total Plate Count
		Incubation at 37°C for 10 days & 55°C for 7 days
		Yeast and mould count
		Flat Sour Organisms
		<i>Staphylococcus aureus</i>
		<i>Salmonella</i>
		<i>Shigella</i>
		<i>Clostridium botulinum</i>
		<i>E. coli</i>
		<i>Vibrio cholerae</i>
		<i>Listeria Sp</i>
		<b>Pesticides</b>
		Aldrin, dieldrin (the limits apply to aldrin and dieldrin singly or in any combination and are expressed as dieldrin)
		Chlordane (residue to be measured as cis plus trans chlordane)
		D.D.T. (The limits apply to D.D.T., D.D.D. and D.D.E. singly or in any combination)
		Diazinon
		Dichlorvos (content of di-chloroacetaldehyde (D.C.A.) be reported where possible)
		Dicofol
		Dimethoate (residue to be determined as dimethoate and expressed as dimethoate)
		Endosulfan (residues are measured and reported as total of endosulfan A and B and endosulfan-sulphate)
		Fenitrothion
		Inorganic bromide (determined and expressed as total bromide from all sources)
		Hexachlorocyclohexane and its Isomers
		(a) Alfa ( $\alpha$ ) Isomer:
		(b) Beta ( $\beta$ ) Isomer :
		(c) Gamma ( $\gamma$ ) Isomer (Known as Lindane)
		(d) Delta ( $\delta$ ) Isomer
		Malathion (Malathion to be determined and expressed as combined residues of malathion and malaoxon)

Std. Nos.	Categories	Parameters
		Parathion (Combined residues of parathion and paraoxon to be determined and expressed as parathion)
		Parathion methyl (combined residues of parathion methyl and its oxygen analogue to be determined and expressed asparathion methyl)
		Phosphamidon residues (expressed as the sum of phosphamidon and its desethyl derivative)
		Pyrethrins (sum of pyrethrins I & II and otherstructurally related insecticide Ingredients of pyrethrum)
		Chlorobenzilate
		Chlorpyrifos
		2,4D
		Ethion (Residues to bedetermined as ethion andlts oxygen analogueand expressed as ethion)
		Formothion (Determined as dinethoate and its oxygen Analogue and expressed as dimethoate except incase of citrus fruits where it is to be determined as formothion)
		Monocrotophos
		Paraquat Dichloride (Determined as Paraquat cations)
		Phosalone
		Trichlorfon
		Thiometon (Residues determined as thiometon its sulfoxide and sulphone expressed as thiometon)
		Carbendazim
		Benomyl
		Captan
		Carbofuran (sum of carbofuran and 3-hydroxy carbofuran expressed as carbofuran)
		Copper Oxychloride (determined as copper)
		Fenthion (sum of fenthion, its oxygen analogue and their sulphoxides and sulphones expressed as fenthion)
		Dithiocarbamates (the residue tolerance limit are determined and expressed as mg/CS2/kg and refer separately to the residues arising from any or each group of dithiocarbamates)
		Phorate (sum of Phorate, its oxygen analogue and their sulphoxides and sulphones,expressed as phorate)

Std. Nos.	Categories	Parameters
		Alfa Nephthyl Acetic Acid (A.N.A.)
		Chlormequatchloride
		Dodine
		Diuron
		Ethephon
		Thiophenatemethyl
		Fenarimol
		Hexaconazole
		Iprodione
		Tridemorph
		Penconazole
		Myclobutanil
		Dithianon
		Cymoxanil
		Triadimefon
		Dimethomorph
		Propineb
		Fosetyl-A1
		Difenoconazole
<b>2.3.10</b>	<b>Thermally processed fruit beverages/Fruit Drink/Ready to serve Fruit Beverages (Canned/Bottled/ Flexible packaged /Aseptically packed)</b>	<b>General Parameters</b>
		Thermally Processed Fruit Beverages / Fruit Drink/ Ready to Serve Fruit Beverages (Canned, Bottled, Flexible Pack And/ Or Aseptically Packed) means an unfermented but fermentable product which is prepared from juice or Pulp/Puree or concentrated juice or pulp of sound mature fruit.
		Physical examination of th package (Can, bottle, Flexible pakage) for rust, bulging or any other damage visible to the naked eye
		Test for preservatives
		a. Benzoic acid, Sodium and Potassium benzoate
		b. Sulphur dioxide
		c. Sorbic acid and its Calcium, Sodium, Potassium Salts (Calculated as sorbic acid)

Std. Nos.	Categories	Parameters
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Beta carotene, Carotene(Natural extract), Annatto extract (Bixin), Beta apo-8 carotenal, Methyl and ethyl esters of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours(Plain), Caramel colours(Ammonium Sulphite process)
		Test for synthetic colors
		a. Ponceau 4R
		b. Erythrosine
		c. Carmoisine
		d. Tartrazine
		e. Sunset Yellow FCF
		f. Indigo carmine
		g. Brilliant blue FCF
		h. Fast green FCF
		Test for Antioxidants (BHA, TBHQ and ascorbyl palmitate)
		Test for Artificial sweeteners (singly)
		a. Aspartame
		b. Acesulphame K
		c. Saccharin Sodium
		d. Sucralose
		<b>Quality Parameters</b>
		Filled (product) capacity of the container
		Total Soluble Solids
		Fruit Juice Content(m/m)
		a) Lime/lemon ready to serve beverage
		b) All other Beverages/drinks
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Tin
		Zinc
		Cadmium
		Mercury
		Methyl Mercury calculated as the element
		<b>Naturally occurring toxic substances</b>
		Saffrole
		<b>Microbiological Safety</b>
		Total Plate Count
		Incubation at 37°C for 10 days & 55°C for 7 days

Std. Nos.	Categories	Parameters
		Yeast and Mould count
		Coliform count
		Flat Sour Organisms
		<i>Staphylococcus aureus</i>
		<i>Salmonella</i>
		<i>Shigella</i>
		<i>Clostridium botulinum</i>
		<i>E.coli</i>
		<i>Vibrio cholerae</i>
		<i>Listeria Spp</i>
		<b>Pesticides</b>
		Aldrin, dieldrin (the limits apply to aldrin and dieldrin singly or in any combination and are expressed as dieldrin)
		Chlordane (residue to be measured as cis plus trans chlordane)
		D.D.T. (The limits apply to D.D.T., D.D.D. and D.D.E. singly or in any combination)
		Dichlorvos (content of di-chloroacetaldehyde (D.C.A.) be reported where possible)
		Dicofol
		Dimethoate (residue to be determined as dimethoate and expressed as dimethoate)
		Endosulfan (residues are measured and reported as total of endosulfan A and B and endosulfan-sulphate)
		Fenitrothion
		Inorganic bromide (determined and expressed as total bromide from all sources)
		Hexachlorocyclohexane and its Isomers
		(a) Alfa ( $\alpha$ ) Isomer:
		(b) Beta ( $\beta$ ) Isomer :
		(c) Gamma ( $\gamma$ ) Isomer (Known as Lindane)
		(d) Delta ( $\delta$ ) Isomer
		Malathion (Malathion to be determined and expressed as combined residues of malathion and malaoxon)
		Parathion (Combined residues of parathion and paraoxon to be determined and expressed as parathion)

Std. Nos.	Categories	Parameters
		Parathion methyl (combined residues of parathion methyl and its oxygen analogue to be determined and expressed asparathion methyl)
		Phosphamidon residues (expressed as the sum of phosphamidon and its desethyl derivative)
		Pyrethrins (sum of pyrethrins I & II and otherstructurally related insecticide Ingredients of pyrethrum)
		Chlorobenzilate
		Chlorpyrifos
		2,4D
		Ethion (Residues to bedetermined as ethion andlts oxygen analogueand expressed as ethion)
		Formothion (Determined as dinethoate and its oxygen Analogue and expressed as dimethoate except incase of citrus fruits where it is to be determined as formothion)
		Monocrotophos
		Paraquat Dichloride (Determined as Paraquat cations)
		Phosalone
		Trichlorfon
		Thiometon (Residues determined as thiometon its sulfoxide and sulphone expressed as thiometon)
		Carbendazim
		Benomyl
		Captan
		Carbofuran (sum of carbofuran and 3-hydroxy carbofuran expressed as carbofuran)
		Copper Oxychloride (determined as copper)
		Fenthion (sum of fenthion, its oxygen analogue and their sulphoxides and sulphones expressed as fenthion)
		Dithiocarbamates (the residue tolerance limit are determined and expressed as mg/CS2/kg and refer separately to the residues arising from any or each group of dithiocarbamates)
		Phorate (sum of Phorate, its oxygen analogue and their sulphoxides and sulphones,expressed as phorate)

Std. Nos.	Categories	Parameters
		Alfa Nephthyl Acetic Acid (A.N.A.)
		Chlormequatchloride
		Dodine
		Diuron
		Ethephon
		Thiophenatemethyl
		Fenarimol
		Hexaconazole
		Iprodione
		Tridemorph
		Penconazole
		Myclobutanil
		Dithianon
		Cymoxanil
		Triadimefon
		Fosetyl-A1
		Difenoconazole
		Dimethomorph
		Propineb
2.3.11	<b>Thermally Processed Mango Pulp Puree and sweetened Mango pulp /puree(Canned,Bottle,Flexible Pack And/or Aseptically Packed)</b>	<b>General Parameters</b>
		Thermally Processed Mango Pulp / Puree and Sweetened Mango Pulp / Puree (Canned, Bottled, Flexible Pack And/ Or Aseptically Packed) means unfermented but fermentable product intended for direct consumption obtained from edible portion of sound, ripe mangoes ( <i>Mangifera indica.L.</i> ), by sieving the prepared fruits, where as, the puree is obtained by finely dividing the pulp by a finisher or other mechanical

Std. Nos.	Categories	Parameters
		means and processed by heat in an appropriate manner, before or after being sealed in a container, so as to prevent spoilage. It may contain one or more nutritive sweeteners in amounts not exceeding 50 gm/ kg. However, the product shall be described as sweetened Mango pulp/ puree if the amount of nutritive sweeteners is in excess of 15 gm / kg.
		Physical examination of th package (Can, bottle, Flexible pakage) for rust, bulging or any other damage visible to the naked eye
		Benzoic acid, Sodium and Potassium benzoate
		Sulphur dioxide
		Sorbic acid and its Calcium,Sodium, Potassium Salts (Calculated as sorbic acid)
		Test for added Natural colours (Curcumin, Riboflavin,Chlorophyll, Beta carotene, Carotene(Natural extract),Annatto extract (Bixin), Beta apo-8 carotenal, Methyl and ethyl esters of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours(Plain), Caramel colours(Ammonium Sulphite process)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		Test for Antioxidants (BHA, TBHQ and Ascorbyl palmitate)
		Test for Arificial sweeteners
		a. Aspartame
		b. Acesulphame K
		c. Saccharin Sodium
		d. Sucralose
		<b>Quality Parameters</b>
		Filled (product) capacity of the container
		Total soluble Solids(m/m)
		a) Sweetened /Unsweetned
		b) Natural Mango Pulp
		Acidity as Citric Acid(For sweetened canned mango pulp)
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Tin
		Zinc
		Cadmium
		Mercury
		Methyl Mercury calculated as the element
		<b>Naturally occurring toxic substances</b>
		Hydrocyanic acid

Std. Nos.	Categories	Parameters
		<b>Microbiological Safety</b>
		Total Plate Count
		Incubation at 37°C for 10 days & 55°C for 7 days
		Yeast and mould count
		Flat Sour Organisms
		<i>Staphylococcus aureus</i>
		<i>Salmonella</i>
		<i>Shigella</i>
		<i>Clostridium botulinum</i>
		<i>E. coli</i>
		<i>Vibrio cholerae</i>
		<i>Listeria Spp</i>
		<b>Pesticides</b>
		Aldrin, dieldrin (the limits apply to aldrin and dieldrin singly or in any combination and are expressed as dieldrin)
		Chlordane (residue to be measured as cis plus trans chlordane)
		D.D.T. (The limits apply to D.D.T., D.D.D. and D.D.E. singly or in any combination)
		Dichlorvos (content of di-chloroacetaldehyde (D.C.A.) be reported where possible)
		Dicofol
		Dimethoate (residue to be determined as dimethoate and expressed as dimethoate)
		Endosulfan (residues are measured and reported as total of endosulfan A and B and endosulfan-sulphate)
		Fenitrothion
		Inorganic bromide (determined and expressed as total bromide from all sources)
		Hexachlorocyclohexane and its Isomers
		(a) Alfa ( $\alpha$ ) Isomer:
		(b) Beta ( $\beta$ ) Isomer :
		(c) Gamma ( $\gamma$ ) Isomer (Known as Lindane)
		(d) Delta ( $\delta$ ) Isomer
		Malathion (Malathion to be determined and expressed as combined residues of malathion and malaoxon)
		Parathion (Combined residues of parathion and paraoxon to be

Std. Nos.	Categories	Parameters
		determined and expressed as parathion)
		Parathion methyl (combined residues of parathion methyl and its oxygen analogue to be determined and expressed asparathion methyl)
		Phosphamidon residues (expressed as the sum of phosphamidon and its desethyl derivative)
		Pyrethrins (sum of pyrethrins I & II and otherstructurally related insecticide Ingredients of pyrethrum)
		Chlorobenzilate
		Chlorpyrifos
		2,4D
		Ethion (Residues to bedetermined as ethion andlts oxygen analogueand expressed as ethion)
		Formothion (Determined as dinethoate and its oxygen Analogue and expressed as dimethoate except incase of citrus fruits where it is to be determined as formothion)
		Monocrotophos
		Paraquat Dichloride (Determined as Paraquat cations)
		Phosalone
		Trichlorfon
		Thiometon (Residues determined as thiometon its sulfoxide and sulphone expressed as thiometon)
		Carbendazim
		Benomyl
		Captan
		Carbofuran (sum of carbofuran and 3-hydroxy carbofuran expressed as carbofuran)
		Copper Oxychloride (determined as copper)
		Dithiocarbamates (the residue tolerance limit are determined and expressed as mg/CS2/kg and refer separately to the residues arising from any or each group of dithiocarbamates
		Phorate (sum of Phorate, its oxygen analogue and their sulphoxides and sulphones,expressed as phorate)
		Ethephon
		Tridemorph
2.3.12	Thermally Processed Fruit Pulp Puree and sweetened Fruit pulp /puree other than	<b>General Parameters</b>

Std. Nos.	Categories	Parameters
	mango (Canned/Bottled/ Flexible packaged/Aseptic tically packed)	
		Thermally Processed Fruit Pulp / Puree And Sweetened Fruit Pulp / Puree other than Mango (Canned,Bottled, Flexible Pack And / Or Aseptically Packed) means unfermented but fermentable product intended for direct consumption obtained from edible portion of sound, ripe fruit of any suitable kind & variety by sieving the prepared fruits, where as, the puree is obtained by finely dividing the pulp by a finisher or other mechanical means and processed by heat in an appropriate manner, before or after being sealed in a container, so as to prevent spoilage. It may contain one or more nutritive sweeteners in amounts not exceeding 50 gm/Kg. However, the product shall be described as sweetened pulp/puree if the amount of nutritive sweeteners is in excess of 15 gm. /kg
		Physical examination of th package (Can, bottle, Flexible pakage) for rust, bulging or any other damage visible to the naked eye
		Benzoic acid, Sodium and Potassium benzoate
		Sulphur dioxide
		Sorbic acid and its Calcium,Sodium, Potassium Salts (Calculated as sorbic acid)
		Test for added Natural colours (Curcumin, Riboflavin,Chlorophyll, Beta carotene, Carotene(Natural extract),Annatto extract (Bixin), Beta apo-8 carotenal, Methyl and ethyl esters of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours(Plain), Caramel colours(Ammonium Sulphite process)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		Test for Antioxidants (BHA, TBHQ and ascorbyl palmitate)
		Test for Arificial sweeteners
		a. Aspartame
		b. Acesulphame K
		c. Saccharin Sodium
		d. Sucralose
		<b>Quality Parameters</b>
		Filled (product) capacity of the container
		Total soluble Solids(m/m) exclusive of added sugar
		Acidity as Citric Acid
		<b>Metal Contaminants</b>
		Lead

Std. Nos.	Categories	Parameters
		Copper
		Arsenic
		Tin
		Zinc
		Cadmium
		Mercury
		Methyl Mercury calculated as the element
		<b>Microbiological Safety</b>
		Total Plate Count
		Incubation at 37°C for 10 days & 55°C for 7 days
		Yeast and mould count
		Flat Sour Organisms
		<i>Staphylococcus aureus</i>
		<i>Salmonella</i>
		<i>Shigella</i>
		<i>Clostridium botulinum</i>
		<i>E.coli</i>
		<i>Vibrio cholerae</i>
		<i>Listeria Spp</i>
		<b>Pesticides</b>
		Aldrin, dieldrin (the limits apply to aldrin and dieldrin singly or in any combination and are expressed as dieldrin)
		Chlordane (residue to be measured as cis plus trans chlordane)
		D.D.T. (The limits apply to D.D.T., D.D.D. and D.D.E. singly or in any combination)
		Dichlorvos (content of di-chloroacetaldehyde (D.C.A.) be reported where possible)
		Dicofol
		Dimethoate (residue to be determined as dimethoate and expressed as dimethoate)
		Endosulfan (residues are measured and reported as total of endosulfan A and B and endosulfan-sulphate)
		Fenitrothion
		Inorganic bromide (determined and expressed as total bromide from all sources)
		Hexachlorocyclohexane and its Isomers

Std. Nos.	Categories	Parameters
		(a) Alfa ( $\alpha$ ) Isomer:
		(b) Beta ( $\beta$ ) Isomer :
		(c) Gamma ( $\gamma$ ) Isomer (Known as Lindane)
		(d) Delta ( $\delta$ ) Isomer
		Malathion (Malathion to be determined and expressed as combined residues of malathion and malaoxon)
		Parathion (Combined residues of parathion and paraoxon to be determined and expressed as parathion)
		Parathion methyl (combined residues of parathion methyl and its oxygen analogue to be determined and expressed asparathion methyl)
		Phosphamidon residues (expressed as the sum of phosphamidon and its desethyl derivative)
		Pyrethrins (sum of pyrethrins I & II and otherstructurally related insecticide Ingredients of pyrethrum)
		Chlorobenzilate
		Chlorpyrifos
		2,4D
		Ethion (Residues to bedetermined as ethion andlts oxygen analogueand expressed as ethion)
		Formothion (Determined as dinethoate and its oxygen Analogue and expressed as dimethoate except incase of citrus fruits where it is to be determined as formothion)
		Monocrotophos
		Paraquat Dichloride (Determined as Paraquat cations)
		Phosalone
		Trichlorfon
		Thiometon (Residues determined as thiometon its sulfoxide and sulphone expressed as thiometon)
		Carbendazim
		Benomyl
		Captan
		Carbofuran (sum of carbofuran and 3-hydroxy carbofuran expressed as carbofuran)
		Copper Oxychloride (determined as copper)
		Fenthion (sum of fenthion, its oxygen analogue and their sulphoxides and sulphones expressed as fenthion)

Std. Nos.	Categories	Parameters
		Dithiocarbamates (the residue tolerance limit are determined and expressed as mg/CS2/kg and refer separately to the residues arising from any or each group of dithiocarbamates)
		Phorate (sum of Phorate, its oxygen analogue and their sulphoxides and sulphones, expressed as phorate)
		Alfa Nephthyl Acetic Acid (A.N.A.)
		Chlormequatchloride
		Dodine
		Diuron
		Ethephon
		Thiophenatemethyl
		Fenarimol
		Hexaconazole
		Iprodione
		Tridemorph
		Penconazole
		Myclobutanil
		Dithianon
		Cymoxanil
		Triadimefon
		Fosetyl-A1
		Difenoconazole
		Dimethomorph
		Propineb
2.3.13	Thermally Processed Concentrated Fruit /Vegetable Juice Pulp Puree (Canned /Bottled/Flexible packaged/Aseptically packed)	<b>General Parameters</b>
		Thermally Processed Concentrated Fruit / Vegetable Juice Pulp/ Puree (Canned, Bottled, Flexible Pack And/ Or Aseptically Packed) means the unfermented product which is capable of fermentation, obtained from the juice or pulp or puree of sound, ripe fruit(s) / vegetable(s), from which water has been removed to the extent that the product has a total soluble content of not less than double the content of the original juice/

Std. Nos.	Categories	Parameters
		pulp/ puree prescribed vide in regulation 2.3.6 and 2 .3.7. Natural volatile components may be restored to the concentrates where these have been removed. It may be pulpy, turbid or clear and preserved by heat, in an appropriate manner, before or after being sealed in a container, so as to prevent spoilage.
		Physical examination of th package (Can, bottle, Flexible pakage) for rust, bulging or any other damage visible to the naked eye
		Benzoic acid, Sodium and Potassium benzoate
		Sulphur dioxide
		Sorbic acid and its Calcium,Sodium, Potassium Salts (Calculated as sorbic acid)
		Test for added Natural colours (Curcumin, Riboflavin,Chlorophyll, Beta carotene, Carotene(Natural extract),Annatto extract (Bixin), Beta apo-8 carotenal, Methyl and ethyl esters of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours(Plain), Caramel colours(Ammonium Sulphite process)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		Test for Antioxidants (BHA, TBHQ and ascorbyl palmitate)
		Test for Artificial sweeteners
		a. Aspartame
		b. Acesulphame K
		c. Saccharin Sodium
		d. Sucralose
		<b>Quality Parameters</b>
		Filled (product) capacity of the container
		Total soluble Solids(m/m) exclusive of added sugar
		<b>Metal Contaminants</b>
		<b>For Concentrated Fruit Juice /Pulp/ Puree</b>
		Lead
		Copper
		Arsenic
		Tin
		Zinc
		Cadmium
		Mercury
		Methyl Mercury calculated as the element

Std. Nos.	Categories	Parameters
		<b>For Concentrated Vegetable Juice /Pulp/ Puree</b>
		Lead
		Copper
		Arsenic
		Tin
		Zinc
		Cadmium
		Mercury
		Methyl Mercury calculated as the element
		<b>Naturally occurring toxic substances (for Stone fruits only)</b>
		Hydrocyanic acid
		<b>Microbiological Safety</b>
		Total Plate Count
		Incubation at 37°C for 10 days & 55°C for 7 days
		Yeast and mould count
		Flat Sour Organisms
		<i>Staphylococcus aureus</i>
		<i>Salmonella</i>
		<i>Shigella</i>
		<i>Clostridium botulinum</i>
		<i>E.coli</i>
		<i>Vibrio cholerae</i>
		<i>Listeria Spp</i>
		<b>Pesticides</b>
		<b>For Concentrated Fruit Juice /Pulp/ Puree</b>
		Aldrin, dieldrin (the limits apply to aldrin and dieldrin singly or in any combination and are expressed as dieldrin)
		Chlordane (residue to be measured as cis plus trans chlordane)
		D.D.T. (The limits apply to D.D.T., D.D.D. and D.D.E. singly or in any combination)
		Diazinon
		Dichlorvos (content of di- chloroacetaldehyde (D.C.A.) be reported where possible)
		Dicofol

Std. Nos.	Categories	Parameters
		Dimethoate (residue to be determined as dimethoate and expressed as dimethoate)
		Endosulfan (residues are measured and reported as total of endosulfan A and B and endosulfan-sulphate)
		Fenitrothion
		Inorganic bromide (determined and expressed as total bromide from all sources)
		Hexachlorocyclohexane and its Isomers
		(a) Alfa ( $\alpha$ ) Isomer:
		(b) Beta ( $\beta$ ) Isomer :
		(c) Gamma ( $\gamma$ ) Isomer (Known as Lindane)
		(d) Delta ( $\delta$ ) Isomer
		Malathion (Malathion to be determined and expressed as combined residues of malathion and malaoxon)
		Parathion (Combined residues of parathion and paraoxon to be determined and expressed as parathion)
		Parathion methyl (combined residues of parathion methyl and its oxygen analogue to be determined and expressed asparathion methyl)
		Phosphamidon residues (expressed as the sum of phosphamidon and its desethyl derivative)
		Pyrethrins (sum of pyrethrins I & II and otherstructurally related insecticide Ingredients of pyrethrum)
		Chlorobenzilate
		Chlorpyrifos
		2,4D
		Ethion (Residues to bedetermined as ethion andIts oxygen analogueand expressed as ethion)
		Formothion (Determined as dinethoate and its oxygen Analogue and expressed as dimethoate except incase of citrus fruits where it is to be determined as formothion)
		Monocrotophos
		Paraquat Dichloride (Determined as Paraquat cations)
		Phosalone
		Trichlorfon
		Thiometon (Residues determined as thiometon its sulfoxide and sulphone expressed as thiometon)
		Carbendazim

Std. Nos.	Categories	Parameters
		Benomyl
		Captan
		Carbofuran (sum of carbofuran and 3-hydroxy carbofuran expressed as carbofuran)
		Copper Oxychloride (determined as copper)
		Fenthion (sum of fenthion, its oxygen analogue and their sulphoxides and sulphones expressed as fenthion)
		Dithiocarbamates (the residue tolerance limit are determined and expressed as mg/CS <sub>2</sub> /kg and refer separately to the residues arising from any or each group of dithiocarbamates)
		Phorate (sum of Phorate, its oxygen analogue and their sulphoxides and sulphones, expressed as phorate)
		Alfa Nephthyl Acetic Acid (A.N.A.)
		Chlormequatchloride
		Dodine
		Diuron
		Ethephon
		Thiophenatemethyl
		Fenarimol
		Hexaconazole
		Iprodione
		Tridemorph
		Penconazole
		Myclobutanil
		Dithianon
		Cymoxanil
		Triadimefon
		Fosetyl-A1
		Difenoconazole
		Dimethomorph
		Propineb
		<b>For Concentrated Vegetable Juice/ Pulp/ Puree</b>
		Aldrin, dieldrin (the limits apply to aldrin and dieldrin singly or in any combination and are expressed as dieldrin)

Std. Nos.	Categories	Parameters
		Carbaryl
		Chlordane (residue to be measured as cis plus trans chlordane)
		D.D.T. (The limits apply to D.D.T., D.D.D. and D.D.E. singly or in any combination)
		Diazinon
		Dichlorvos (content of di- chloroacetaldehyde (D.C.A.) be reported where possible)
		Dicofol
		Dimethoate (residue to be determined as dimethoate and expressed as dimethoate)
		Endosulfan (residues are measured and reported as total of endosulfan A and B and endosulfan-sulphate)
		Fenitrothion
		Heptachlor (combined residues of heptachlor and its epoxide to be determined and expressed as Heptachlor)
		Hexachlorocyclohexane and its Isomers
		(a) Alfa ( $\alpha$ ) Isomer:
		(b) Beta ( $\beta$ ) Isomer :
		(c) Gamma ( $\gamma$ ) Isomer (Known as Lindane)
		(d) Delta ( $\delta$ ) Isomer
		Malathion (Malathion to be determined and expressed as combined residues of malathion and malaoxon)
		Parathion (Combined residues of parathion and paraoxon to be determined and expressed as parathion)
		Parathion methyl (combined residues of parathion methyl and its oxygen analogue to be determined and expressed asparathion methyl)
		Phosphamidon residues (expressed as the sum of phosphamidon and its desethyl derivative)
		Pyrethrins (sum of pyrethrins I & II and otherstructurally related insecticide Ingredients of pyrethrum)
		Chlorienvinphos(Residues to be measured as alpha and beta isomers of Chlorienvinphos)
		Chlorpyrifos
		Ethion (Residues to bedetermined as ethion andits oxygen analogueand expressed as ethion)
		Formothion (Determined as dinethoate and its oxygen Analogue and expressed as dimethoate except incase of citrus fruits where it is to be determined as formothion)

Std. Nos.	Categories	Parameters
		Monocrotophos
		Paraquat Dichloride (Determined as Paraquat cations)
		Phosalone
		Trichlorfon
		Thiometon (Residues determined as thiometon its sulfoxide and sulphone expressed as thiometon)
		Carbendazim
		Benomyl
		Captan
		Carbofuran (sum of carbofuran and 3-hydroxy carbofuran expressed as carbofuran)
		Copper Oxychloride (determined as copper)
		Fenthion (sum of fenthion, its oxygen analogue and their sulphoxides and sulphones expressed as fenthion)
		Fenvalerate (fat soluble residue)
		Dithiocarbamates (the residue tolerance limit are determined and expressed as mg/CS <sub>2</sub> /kg and refer separately to the residues arising from any or each group of dithiocarbamates)
		Phorate (sum of Phorate, its oxygen analogue and their sulphoxides and sulphones,expressed as phorate)
		Captafol
		Ethephon
		Permethrin
		Iprodione
		Spinosad
		Triadimefon
		Metiram
		Lufenuron
		Novoluron
2.3.14	Thermally Processed Tomato Puree and Paste (Canned /Bottled/Flexible packaged/Asceptically packed)	<b>General Parameters</b>

Std. Nos.	Categories	Parameters
		Thermally Processed Tomato Puree And Paste (Canned, Bottled, Flexible Pack And/ Or Aseptically Packed) means unfermented product which is capable of fermentation, obtained by concentrating the juice of sound ripe tomatoes to the desired concentration.
		Physical examination of th package (Can, bottle, Flexible pakage) for rust, bulging or any other damage visible to the naked eye
		Benzoic acid, Sodium and Potassium benzoate
		Sulphur dioxide
		Sorbic acid and its Calcium, Sodium, Potassium Salts (Calculated as sorbic acid)
		Test for added Natural and Synthetic colours and inorganic colouring matter
		Test for Antioxidants (BHA, TBHQ and Ascorbyl palmitate)
		Test for Artificial sweeteners
		a. Aspartame
		b. Acesulphame K
		c. Saccharin Sodium
		d. Sucralose
		<b>Quality Parameters</b>
		Filled (product) capacity of the container
		Total Soluble Solids(w/w) of Tomato Puree
		Total Soluble Solids(w/w) of Tomato Paste
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Tin
		Zinc
		Cadmium
		Mercury
		Methyl Mercury calculated as the element
		<b>Microbiological Safety</b>
		Total Plate Count
		Incubation at 37°C for 10 days & 55°C for 7 days
		Yeast and mould count
		Mould count

Std. Nos.	Categories	Parameters
		Flat Sour Organisms
		<i>Staphylococcus aureus</i>
		<i>Salmonella</i>
		<i>Shigella</i>
		<i>Clostridium botulinum</i>
		<i>E.coli</i>
		<i>Vibrio cholerae</i>
		<i>Listeria</i> Spp
		<b>Pesticides</b>
		Aldrin, dieldrin (the limits apply to aldrin and dieldrin singly or in any combination and are expressed as dieldrin)
		Carbaryl
		Chlordane (residue to be measured as cis plus trans chlordane)
		D.D.T. (The limits apply to D.D.T., D.D.D. and D.D.E. singly or in any combination)
		Diazinon
		Dichlorvos (content of di- chloroacetaldehyde (D.C.A.) be reported where possible)
		Dicofol
		Dimethoate (residue to be determined as dimethoate and expressed as dimethoate)
		Endosulfan (residues are measured and reported as total of endosulfan A and B and endosulfan-sulphate)
		Fenitrothion
		Heptachlor (combined residues of heptachlor and its epoxide to be determined and expressed as Heptachlor)
		Hexachlorocycle hexane and its Isomers
		(a) Alfa ( $\alpha$ ) Isomer:
		(b) Beta ( $\beta$ ) Isomer :
		(c) Gamma ( $\gamma$ ) Isomer (Known as Lindane)
		(d) Delta ( $\delta$ ) Isomer
		Malathion (Malathion to be determined and expressed as combined residues of malathion and malaoxon)
		Parathion (Combined residues of parathion and paraoxon to be determined and expressed as parathion)

Std. Nos.	Categories	Parameters
		Parathion methyl (combined residues of parathion methyl and its oxygen analogue to be determined and expressed asparathion methyl)
		Phosphamidon residues (expressed as the sum of phosphamidon and its desethyl derivative)
		Pyrethrins (sum of pyrethrins I & II and otherstructurally related insecticide Ingredients of pyrethrum)
		Chlorienvinphos(Residues to be measured as alpha and beta isomers of Chlorienvinphos)
		Chlorpyrifos
		Ethion (Residues to bedetermined as ethion andIts oxygen analogueand expressed as ethion)
		Formothion (Determined as dinethoate and its oxygen Analogue and expressed as dimethoate except incase of citrus fruits where it is to be determined as formothion)
		Monocrotophos
		Paraquat Dichloride (Determined as Paraquat cations)
		Phosalone
		Trichlorfon
		Thiometon (Residues determined as thiometon its sulfoxide and sulphone expressed as thiometon)
		Carbendazim
		Benomyl
		Captan
		Carbofuran (sum of carbofuran and 3-hydroxy carbofuran expressed as carbofuran)
		Copper Oxychloride (determined as copper)
		Fenthion (sum of fenthion, its oxygen analogue and their sulphoxides and sulphones expressed as fenthion)
		Dithiocarbamates (the residue tolerance limit are determined and expressed as mg/CS2/kg and refer separately to the residues arising from any or each group of dithiocarbamates)
		Phorate (sum of Phorate, its oxygen analogue and their sulphoxides and sulphones,expressed as phorate)
		Captafol
		Ethephon
		Iprodione
		Metiram
		Novoluron
<b>2.3.15</b>	<b>Soup Powders</b>	<b>General Parameters</b>
		Soup Powders means the products obtained by mechanical dehydration of fresh vegetables/ fruits juice/ pulp/puree of sound, vegetables / fruits

Std. Nos.	Categories	Parameters
		and or earlier concentrated, dehydrated, frozen or processed fruits & vegetables, singly or in combination by blending with salt, nutritive sweeteners, spices and condiments and any other ingredients suitable to the product, as appropriate to the product and packed suitably to prevent spoilage.
		Benzoic acid, Sodium and Potassium benzoate
		Sulphur dioxide
		Sorbic acid and its Calcium, Sodium, Potassium Salts (Calculated as sorbic acid)
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Beta carotene, Carotene (Natural extract), Annatto extract (Bixin), Beta apo-8 carotenal, Methyl and ethyl esters of Beta apo-8 carotenoic acid, Canthaxanthin,
		Caramel
		Test for Synthetic colour and inorganic colouring matter
		a. Ponceau 4R
		b. Erythrosine
		c. Carmoisine
		d. Tartrazine
		e. Sunset Yellow FCF
		f. Indigo carmine
		g. Brilliant blue FCF
		h. Fast green FCF
		Test for Antioxidants (BHA, TBHQ and ascorbyl palmitate)
		Test for Artificial sweeteners
		a. Aspartame
		b. Acesulphame K
		c. Saccharin Sodium
		d. Sucralose
		<b>Quality Parameters</b>
		Filled (product) capacity of the container
		Moisture(m/m)
		Total soluble solids(m/m)(on dilution ready to serve basis)
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Tin
		Zinc
		Cadmium
		Mercury
		Methyl Mercury calculated as the element

Std. Nos.	Categories	Parameters
		<b>Naturally occurring toxic substances</b>
		Saffrole
		<b>Microbiological Safety</b>
		Total Plate Count
		Yeast and mould count
		Yeast and spores
		Flat Sour Organisms
		<i>Staphylococcus aureus</i>
		<i>Salmonella</i>
		<i>Shigella</i>
		<i>Clostridium botulinum</i>
		<i>E.coli</i>
		<i>Vibrio cholerae</i>
		<i>Listeria spp</i>
<b>2.3.16</b>	<b>Fruit/Vegetable Juice/Pulp/Puree with Preservatives For Industrial Use only</b>	<b>General Parameters</b>
		Fruit/Vegetable Juice / Pulp/ Puree With Preservatives For Industrial Use only means an unfermented but fermentable product, pulpy, turbid or clear, obtained by a mechanical process from sound ripe fruits/ vegetables.
		Benzoic acid, Sodium and Potassium benzoate
		Sulphur dioxide
		Sorbic acid and its Calcium,Sodium, Potassium Salts (Calculated as sorbic acid)
		Test for added Natural colours (Curcumin, Riboflavin,Chlorophyll, Beta carotene, Carotene(Natural extract),Annatto extract (Bixin), Beta apo-8 carotenal, Methyl and ethyl esters of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours(Plain), Caramel colours(Ammonium Sulphite process)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )

Std. Nos.	Categories	Parameters
		Test for Antioxidants (BHA, TBHQ and ascorbyl palmitate)
		Test for Artificial sweeteners
		a. Aspartame
		b. Acesulphame K
		c. Saccharin Sodium
		d. Sucralose
		<b>Quality Parameters</b>
		Filled (product) capacity of the container
		Moisture(m/m)
		Total soluble solids(m/m)(on dilution ready to serve basis)
		<b>Metal Contaminants</b>
		<b>For Concentrated Fruit Juice /Pulp/ Puree</b>
		Lead
		Copper
		Arsenic
		Tin
		Zinc
		Cadmium
		Mercury
		Methyl Mercury calculated as the element
		<b>For Concentrated Vegetable Juice /Pulp/ Puree</b>
		Lead
		Copper
		Arsenic
		Tin
		Zinc
		Cadmium
		Mercury
		Methyl Mercury calculated as the element
		<b>Naturally occurring toxic substances</b>
		Hydrocyanic acid (Stone fruits only)
		Saffrole
		<b>Microbiological Safety</b>
		Total Plate Count
		Incubation at 37°C for 10 days & 55°C for 7 days
		Yeast and mould count

Std. Nos.	Categories	Parameters
		Flat Sour Organisms
		<i>Staphylococcus aureus</i>
		<i>Salmonella</i>
		<i>Shigella</i>
		<i>Clostridium botulinum</i>
		<i>E.coli</i>
		<i>Vibrio cholerae</i>
		<i>Listeria sp</i>
		<b>Pesticides</b>
		<b>For Fruit Juice /Pulp/ Puree</b>
		Aldrin, dieldrin (the limits apply to aldrin and dieldrin singly or in any combination and are expressed as dieldrin)
		Chlordane (residue to be measured as cis plus trans chlordane)
		D.D.T. (The limits apply to D.D.T., D.D.D. and D.D.E. singly or in any combination)
		Dichlorvos (content of di- chloroacetaldehyde (D.C.A.) be reported where possible)
		Dicofol
		Dimethoate (residue to be determined as dimethoate and expressed as dimethoate)
		Endosulfan (residues are measured and reported as total of endosulfan A and B and endosulfan-sulphate)
		Fenitrothion
		Inorganic bromide (determined and expressed as total bromide from all sources)
		Hexachlorocycle hexane and its Isomers
		(a) Alfa ( $\alpha$ ) Isomer:
		(b) Beta ( $\beta$ ) Isomer :
		(c) Gamma ( $\gamma$ ) Isomer (Known as Lindane)
		(d) Delta ( $\delta$ ) Isomer
		Malathion (Malathion to be determined and expressed as combined residues of malathion and malaaxon)
		Parathion (Combined residues of parathion and paraoxon to be determined and expressed as parathion)
		Parathion methyl (combined residues of parathion methyl and its oxygen analogue to be determined and expressed asparathion methyl)

Std. Nos.	Categories	Parameters
		Phosphamidon residues (expressed as the sum of phosphamidon and its desethyl derivative)
		Pyrethrins (sum of pyrethrins I & II and otherstructurally related insecticide Ingredients of pyrethrum)
		Chlorobenzilate
		Chlorpyrifos
		2,4D
		Ethion (Residues to bedetermined as ethion andlts oxygen analogueand expressed as ethion)
		Formothion (Determined as dinethoate and its oxygen Analogue and expressed as dimethoate except incase of citrus fruits where it is to be determined as formothion)
		Monocrotophos
		Paraquat Dichloride (Determined as Paraquat cations)
		Phosalone
		Trichlorfon
		Thiometon (Residues determined as thiometon its sulfoxide and sulphone expressed as thiometon)
		Carbendazim
		Benomyl
		Captan
		Carbofuran (sum of carbofuran and 3-hydroxy carbofuran expressed as carbofuran)
		Copper Oxychloride (determined as copper)
		Fenthion (sum of fenthion, its oxygen analogue and their sulphoxides and sulphones expressed as fenthion)
		Dithiocarbamates (the residue tolerance limit are determined and expressed as mg/CS2/kg and refer separately to the residues arising from any or each group of dithiocarbamates)
		Phorate (sum of Phorate, its oxygen analogue and their sulphoxides and sulphones,expressed as phorate)
		Alfa Nephthyl Acetic Acid (A.N.A.)
		Chlormequatchloride
		Dodine
		Diuron

Std. Nos.	Categories	Parameters
		Ethephon
		Thiophenatemethyl
		Fenarimol
		Hexaconazole
		Iprodione
		Tridemorph
		Penconazole
		Myclobutanil
		Dithianon
		Cymoxanil
		Triadimefon
		Fosetyl-A1
		Difenoconazole
		Dimethomorph
		Propineb
		<b>For Vegetable Juice Pulp Puree</b>
		Aldrin, dieldrin (the limits apply to aldrin and dieldrin singly or in any combination and are expressed as dieldrin)
		Carbaryl
		Chlordane (residue to be measured as cis plus trans chlordane)
		D.D.T. (The limits apply to D.D.T., D.D.D. and D.D.E. singly or in any combination)
		Diazinon
		Dichlorvos (content of di- chloroacetaldehyde (D.C.A.) be reported where possible)
		Dicofol
		Dimethoate (residue to be determined as dimethoate and expressed as dimethoate)
		Endosulfan (residues are measured and reported as total of endosulfan A and B and endosulfan-sulphate)
		Fenitrothion
		Heptachlor (combined residues of heptachlor and its epoxide to be determined and expressed as Heptachlor)
		Hexachlorocycle hexane and its Isomers
		(a) Alfa ( $\alpha$ ) Isomer:

Std. Nos.	Categories	Parameters
		(b) Beta ( $\beta$ ) Isomer :
		(c) Gamma ( $\gamma$ ) Isomer (Known as Lindane)
		(d) Delta ( $\delta$ ) Isomer
		Malathion (Malathion to be determined and expressed as combined residues of malathion and malaoxon)
		Parathion (Combined residues of parathion and paraoxon to be determined and expressed as parathion)
		Parathion methyl (combined residues of parathion methyl and its oxygen analogue to be determined and expressed asparathion methyl)
		Phosphamidon residues (expressed as the sum of phosphamidon and its desethyl derivative)
		Pyrethrins (sum of pyrethrins I & II and otherstructurally related insecticide Ingredients of pyrethrum)
		Chlorienvinphos(Residues to be measured as alpha and beta isomers of Chlorienvinphos)
		Chlorpyrifos
		Ethion (Residues to bedetermined as ethion andlts oxygen analogueand expressed as ethion)
		Formothion (Determined as dinethoate and its oxygen Analogue and expressed as dimethoate except incase of citrus fruits where it is to be determined as formothion)
		Monocrotophos
		Paraquat Dichloride (Determined as Paraquat cations)
		Phosalone
		Trichlorfon
		Thiometon (Residues determined as thiometon its sulfoxide and sulphone expressed as thiometon)
		Carbendazim
		Benomyl
		Captan
		Carbofuran (sum of carbofuran and 3-hydroxy carbofuran expressed as carbofuran)
		Copper Oxychloride (determined as copper)
		Fenthion (sum of fenthion, its oxygen analogue and their sulphoxides and sulphones expressed as fenthion)
		Fenvalerate (fat soluble residue)

Std. Nos.	Categories	Parameters
		Dithiocarbamates (the residue tolerance limit are determined and expressed as mg/CS <sub>2</sub> /kg and refer separately to the residues arising from any or each group of dithiocarbamates)
		Phorate (sum of Phorate, its oxygen analogue and their sulphoxides and sulphones, expressed as phorate)
		Captafol
		Ethephon
		Permethrin
		Iprodione
		Spinosad
		Triadimefon
		Metiram
		Lufenuron
		Novoluron
<b>2.3.17</b>	<b>Concentrated Fruit/Vegetable Juice/Pulp/Puree with Preservatives For Industrial Use only</b>	<b>General Parameters</b>
		Concentrated Fruit Vegetable Juice /Pulp / Puree With Preservatives For Industrial Use Only means an unfermented product, which is capable of fermentation, obtained from the juice or pulp or puree of fruit(s) / vegetable (s), from which the water has been removed to the extent that the product has a soluble solids content of not less than double the content of the original juice, pulp, puree prescribed under Regulation 2.3.6 and Regulation 2.3.7. It may be pulpy, turbid or clear.
		Benzoic acid, Sodium and Potassium benzoate
		Sulphur dioxide
		Sorbic acid and its Calcium, Sodium, Potassium Salts (Calculated as sorbic acid)
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Beta carotene, Carotene(Natural extract), Annatto extract (Bixin), Beta apo-8 carotenal, Methyl and ethyl esters of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours(Plain), Caramel colours(Ammonium Sulphite process)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast

Std. Nos.	Categories	Parameters
		green FCF )
		Test for Antioxidants (BHA, TBHQ and ascorbyl palmitate)
		Test for Artificial sweeteners
		a. Aspartame
		b. Acesulphame K
		c. Saccharin Sodium
		d. Sucralose
		<b>Quality Parameters</b>
		Filled (product) capacity of the container
		Total soluble solids(m/m)
		<b>Metal Contaminants</b>
		<b>For Concentrated Fruit Juice /Pulp/ Puree</b>
		Lead
		Copper
		Arsenic
		Tin
		Zinc
		Cadmium
		Mercury
		Methyl Mercury calculated as the element
		<b>For Concentrated Vegetable Juice /Pulp/ Puree</b>
		Lead
		Copper
		Arsenic
		Tin
		Zinc
		Cadmium
		Mercury
		Methyl Mercury calculated as the element
		<b>Naturally occurring toxic substances (for Stone fruits only)</b>
		Hydrocyanic acid
		<b>Microbiological Safety</b>
		Total Plate Count
		Incubation at 37°C for 10 days & 55°C for 7 days
		Yeast and mould count

Std. Nos.	Categories	Parameters
		Flat Sour Organisms
		<i>Staphylococcus aureus</i>
		<i>Salmonella</i>
		<i>Shigella</i>
		<i>Clostridium botulinum</i>
		<i>E.coli</i>
		<i>Vibrio cholerae</i>
		<i>Listeria sp</i>
		<b>Pesticides</b>
		<b>For Fruit Juice /Pulp/ Puree</b>
		Aldrin, dieldrin (the limits apply to aldrin and dieldrin singly or in any combination and are expressed as dieldrin)
		Chlordane (residue to be measured as cis plus trans chlordane)
		D.D.T. (The limits apply to D.D.T., D.D.D. and D.D.E. singly or in any combination)
		Dichlorvos (content of di- chloroacetaldehyde (D.C.A.) be reported where possible)
		Dicofol
		Dimethoate (residue to be determined as dimethoate and expressed as dimethoate)
		Endosulfan (residues are measured and reported as total of endosulfan A and B and endosulfan-sulphate)
		Fenitrothion
		Inorganic bromide (determined and expressed as total bromide from all sources)
		Hexachlorocycle hexane and its Isomers
		(a) Alfa ( $\alpha$ ) Isomer:
		(b) Beta ( $\beta$ ) Isomer :
		(c) Gamma ( $\gamma$ ) Isomer (Known as Lindane)
		(d) Delta ( $\delta$ ) Isomer
		Malathion (Malathion to be determined and expressed as combined residues of malathion and malaaxon)
		Parathion (Combined residues of parathion and paraoxon to be determined and expressed as parathion)
		Parathion methyl (combined residues of parathion methyl and its oxygen analogue to be determined and expressed asparathion methyl)

Std. Nos.	Categories	Parameters
		Phosphamidon residues (expressed as the sum of phosphamidon and its desethyl derivative)
		Pyrethrins (sum of pyrethrins I & II and otherstructurally related insecticide Ingredients of pyrethrum)
		Chlorobenzilate
		Chlorpyrifos
		2,4D
		Ethion (Residues to bedetermined as ethion andlts oxygen analogueand expressed as ethion)
		Formothion (Determined as dinethoate and its oxygen Analogue and expressed as dimethoate except incase of citrus fruits where it is to be determined as formothion)
		Monocrotophos
		Paraquat Dichloride (Determined as Paraquat cations)
		Phosalone
		Trichlorfon
		Thiometon (Residues determined as thiometon its sulfoxide and sulphone expressed as thiometon)
		Carbendazim
		Benomyl
		Captan
		Carbofuran (sum of carbofuran and 3-hydroxy carbofuran expressed as carbofuran)
		Copper Oxychloride (determined as copper)
		Fenthion (sum of fenthion, its oxygen analogue and their sulphoxides and sulphones expressed as fenthion)
		Dithiocarbamates (the residue tolerance limit are determined and expressed as mg/CS2/kg and refer separately to the residues arising from any or each group of dithiocarbamates)
		Phorate (sum of Phorate, its oxygen analogue and their sulphoxides and sulphones,expressed as phorate)
		Alfa Nephthyl Acetic Acid (A.N.A.)
		Chlormequatchloride
		Dodine
		Diuron

Std. Nos.	Categories	Parameters
		Ethephon
		Thiophenatemethyl
		Fenarimol
		Hexaconazole
		Iprodione
		Tridemorph
		Penconazole
		Myclobutanil
		Dithianon
		Cymoxanil
		Triadimefon
		Fosetyl-A1
		Difenoconazole
		Dimethomorph
		Propineb
		<b>For Vegetable Juice Pulp Puree</b>
		Aldrin, dieldrin (the limits apply to aldrin and dieldrin singly or in any combination and are expressed as dieldrin)
		Carbaryl
		Chlordane (residue to be measured as cis plus trans chlordane)
		D.D.T. (The limits apply to D.D.T., D.D.D. and D.D.E. singly or in any combination)
		Diazinon
		Dichlorvos (content of di- chloroacetaldehyde (D.C.A.) be reported where possible)
		Dicofol
		Dimethoate (residue to be determined as dimethoate and expressed as dimethoate)
		Endosulfan (residues are measured and reported as total of endosulfan A and B and endosulfan-sulphate)
		Fenitrothion
		Heptachlor (combined residues of heptachlor and its epoxide to be determined and expressed as Heptachlor)
		Hexachlorocycle hexane and its Isomers
		(a) Alfa ( $\alpha$ ) Isomer:
		(b) Beta ( $\beta$ ) Isomer :

Std. Nos.	Categories	Parameters
		(c) Gamma ( $\gamma$ ) Isomer (Known as Lindane)
		(d) Delta ( $\delta$ ) Isomer
		Malathion (Malathion to be determined and expressed as combined residues of malathion and malaoxon)
		Parathion (Combined residues of parathion and paraoxon to be determined and expressed as parathion)
		Parathion methyl (combined residues of parathion methyl and its oxygen analogue to be determined and expressed asparathion methyl)
		Phosphamidon residues (expressed as the sum of phosphamidon and its desethyl derivative)
		Pyrethrins (sum of pyrethrins I & II and otherstructurally related insecticide Ingredients of pyrethrum)
		Chlorienvinphos(Residues to be measured as alpha and beta isomers of Chlorienvinphos)
		Chlorpyrifos
		Ethion (Residues to bedetermined as ethion andlts oxygen analogueand expressed as ethion)
		Formothion (Determined as dinethoate and its oxygen Analogue and expressed as dimethoate except incase of citrus fruits where it is to be determined as formothion)
		Monocrotophos
		Paraquat Dichloride (Determined as Paraquat cations)
		Phosalone
		Trichlorfon
		Thiometon (Residues determined as thiometon its sulfoxide and sulphone expressed as thiometon)
		Carbendazim
		Benomyl
		Captan
		Carbofuran (sum of carbofuran and 3-hydroxy carbofuran expressed as carbofuran)
		Copper Oxychloride (determined as copper)
		Fenthion (sum of fenthion, its oxygen analogue and their sulphoxides and sulphones expressed as fenthion)
		Fenvalerate (fat soluble residue)

Std. Nos.	Categories	Parameters
		Dithiocarbamates (the residue tolerance limit are determined and expressed as mg/CS <sub>2</sub> /kg and refer separately to the residues arising from any or each group of dithiocarbamates)
		Phorate (sum of Phorate, its oxygen analogue and their sulphoxides and sulphones, expressed as phorate)
		Captafol
		Ethephon
		Permethrin
		Iprodione
		Spinosad
		Triadimefon
		Metiram
		Lufenuron
		Novoluron
2.3.18	Tamarind Pulp/Puree Concentrate	<b>General Parameters</b>
		Tamarind Pulp/Puree And Concentrate means the unfermented product which is capable of fermentation, obtained from fresh or dried tamarind, by boiling with water and sieving it, and preserved either by thermal processing or by using permitted preservatives. The Tamarind Concentrate is the product obtained from tamarind pulp/ puree from which water has been removed by evaporation to achieve appropriate concentration
		Benzoic acid, Sodium and Potassium benzoate
		Sulphur dioxide
		Sorbic acid and its Calcium, Sodium, Potassium Salts (Calculated as sorbic acid)
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Beta carotene, Carotene (Natural extract), Annatto extract (Bixin), Beta apo-8 carotenal, Methyl and ethyl esters of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours (Plain), Caramel colours (Ammonium Sulphite process)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF)
		Test for Antioxidants (BHA, TBHQ and ascorbyl palmitate)
		Test for Artificial sweeteners
		a. Aspartame
		b. Acesulphame K
		c. Saccharin Sodium
		d. Sucralose

Std. Nos.	Categories	Parameters
		<b>Quality Parameters</b>
		Filled (product) capacity of the container
		<b>Tamarind Pulp/Puree</b>
		Minimum Total Soluble Solid
		Minimum Acidity
		Ash Insoluble in dilute HCl
		<b>Tamarind Concentrate</b>
		Minimum Total Soluble Solid
		Minimum Acidity
		Ash Insoluble in dilute HCl
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Tin
		Zinc
		Cadmium
		Mercury
		Methyl Mercury calculated as the element
		<b>Naturally occurring toxic substances</b>
		Hydrocyanic acid
		<b>Microbiological Safety</b>
		Total Plate Count
		Incubation at 37°C for 10 days & 55°C for 7 days
		Yeast and mould count
		Flat Sour Organisms
		<i>Staphylococcus aureus</i>
		<i>Salmonella</i>
		<i>Shigella</i>
		<i>Clostridium botulinum</i>
		<i>E.coli</i>
		<i>Vibrio cholerae</i>
		<i>Listeria sp</i>
<b>2.3.19</b>	<b>Fruit bar/Toffee</b>	<b>General Parameters</b>
		Fruit Bar/ Toffee means the product prepared by blending Pulp/Puree

Std. Nos.	Categories	Parameters
		from sound ripe fruit, fresh or previously preserved, nutritive sweeteners, butter or other edible vegetable fat or milk solids and other ingredients appropriate to the product & dehydrated to form sheet which can be cut to desired shape or size.
		<b>Test for preservatives</b> (Either singly or in combination)
		1. Benzoic acid, Sodium and Potassium benzoate
		2. Sulphur dioxide
		3. Sorbic acid and its Calcium, Sodium, Potassium Salts (Calculated as sorbic acid)
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Beta carotene, Carotene (Natural extract), Annatto extract (Bixin), Beta apo-8 carotenal, Methyl and ethyl esters of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours (Plain), Caramel colours (Ammonium Sulphite process))
		Test for added Synthetic colours
		a. Ponceau 4R
		b. Erythrosine
		c. Carmoisine
		d. Tartrazine
		e. Sunset Yellow FCF
		f. Indigo carmine
		g. Brilliant blue FCF
		h. Fast green FCF
		Test for Antioxidants (BHA, TBHQ and ascorbyl palmitate)
		Test for Artificial sweeteners (singly)
		a. Aspartame
		b. Acesulphame K
		c. Saccharin Sodium
		d. Sucralose
		<b>Quality Parameters</b>
		Moisture (m/m)
		Total soluble solids (m/m)
		Fruit Content (m/m)
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Tin
		Zinc
		Cadmium
		Mercury

Std. Nos.	Categories	Parameters
		Methyl Mercury calculated as the element
		<b>Microbiological Safety</b>
		Total Plate Count
		Yeast and mould count
		Flat Sour Organisms
		<i>Staphylococcus aureus</i>
		<i>Salmonella</i>
		<i>Shigella</i>
		<i>Clostridium botulinum</i>
		<i>E.coli</i>
		<i>Vibrio cholerae</i>
		<i>Listeria sp</i>
		<b>Pesticides</b>
		Aldrin, dieldrin (the limits apply to aldrin and dieldrin singly or in any combination and are expressed as dieldrin)
		Chlordane (residue to be measured as cis plus trans chlordane)
		D.D.T. (The limits apply to D.D.T., D.D.D. and D.D.E. singly or in any combination)
		Dichlorvos (content of di- chloroacetaldehyde (D.C.A.) be reported where possible)
		Dicofol
		Dimethoate (residue to be determined as dimethoate and expressed as dimethoate)
		Endosulfan (residues are measured and reported as total of endosulfan A and B and endosulfan-sulphate)
		Fenitrothion
		Inorganic bromide (determined and expressed as total bromide from all sources)
		Hexachlorocyclohexane and its Isomers
		(a) Alfa ( $\alpha$ ) Isomer:
		(b) Beta ( $\beta$ ) Isomer :
		(c) Gamma ( $\gamma$ ) Isomer (Known as Lindane)
		(d) Delta ( $\delta$ ) Isomer
		Malathion (Malathion to be determined and expressed as combined residues of malathion and malaoxon)
		Parathion (Combined residues of parathion and paraoxon to be

Std. Nos.	Categories	Parameters
		determined and expressed as parathion)
		Parathion methyl (combined residues of parathion methyl and its oxygen analogue to be determined and expressed asparathion methyl)
		Phosphamidon residues (expressed as the sum of phosphamidon and its desethyl derivative)
		Pyrethrins (sum of pyrethrins I & II and otherstructurally related insecticide Ingredients of pyrethrum)
		Chlorobenzilate
		Chlorpyrifos
		2,4D
		Ethion (Residues to bedetermined as ethion andlts oxygen analogueand expressed as ethion)
		Formothion (Determined as dinethoate and its oxygen Analogue and expressed as dimethoate except incase of citrus fruits where it is to be determined as formothion)
		Monocrotophos
		Paraquat Dichloride (Determined as Paraquat cations)
		Phosalone
		Trichlorfon
		Thiometon (Residues determined as thiometon its sulfoxide and sulphone expressed as thiometon)
		Carbendazim
		Benomyl
		Captan
		Carbofuran (sum of carbofuran and 3-hydroxy carbofuran expressed as carbofuran)
		Copper Oxychloride (determined as copper)
		Fenthion (sum of fenthion, its oxygen analogue and their sulphoxides and sulphones expressed as fenthion)
		Dithiocarbamates (the residue tolerance limit are determined and expressed as mg/CS2/kg and refer separately to the residues arising from any or each group of dithiocarbamates)
		Phorate (sum of Phorate, its oxygen analogue and their sulphoxides and sulphones,expressed as phorate)

Std. Nos.	Categories	Parameters
		Alfa Nephthyl Acetic Acid (A.N.A.)
		Chlormequatchloride
		Dodine
		Diuron
		Ethephon
		Thiophenatemethyl
		Fenarimol
		Hexaconazole
		Iprodione
		Tridemorph
		Penconazole
		Myclobutanil
		Dithianon
		Cymoxanil
		Triadimefon
		Fosetyl-A1
		Difenoconazole
		Dimethomorph
		Propineb
<b>2.3.20</b>	<b>Fruit / Vegetabe/Cereal Flakes</b>	<b>General Parameters</b>
		Fruit/Vegetable, Cereal Flakes means the product prepared by blending fruit(s) Pulp/Puree of sound ripe fruit(s) / vegetables of any suitable variety, fresh, frozen or previously preserved, starch, cereals & nutritive sweeteners, other ingredients appropriate to the product with or without salt & dehydrated in the form of flakes.
		Benzoic acid, Sodium and Potassium benzoate
		Sulphur dioxide
		Sorbic acid and its Calcium,Sodium, Potassium Salts (Calculated as sorbic acid)
		Test for added Natural colours (Curcumin, Riboflavin,Chlorophyll, Beta carotene, Carotene(Natural extract),Annatto extract (Bixin), Beta apo-8 carotenal, Methyl and ethyl esters of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours(Plain), Caramel colours(Ammonium Sulphite process)
		Test for added Synthetic colours

Std. Nos.	Categories	Parameters
		a. Ponceau 4R
		b. Erythrosine
		c. Carmoisine
		d. Tartrazine
		e. Sunset Yellow FCF
		f. Indigo carmine
		g. Brilliant blue FCF
		h. Fast green FCF
		Test for Antioxidants (BHA, TBHQ and ascorbyl palmitate)
		Test for Artificial sweeteners (singly)
		a. Aspartame
		b. Acesulphame K
		c. Saccharin Sodium
		d. Sucralose
		<b>Quality Parameters</b>
		Moisture(m/m)
		Acid insoluble Ash(m/m)
		Starch (m/m)
		<b>Metal Contaminants</b>
		<b>For Fruit Flakes</b>
		Lead
		Copper
		Arsenic
		Tin
		Zinc
		Cadmium
		Mercury
		Methyl Mercury calculated as the element
		<b>For Vegetable Flakes</b>
		Lead
		Copper
		Arsenic
		Tin
		Zinc
		Cadmium
		Mercury
		Methyl Mercury calculated as the element
		<b>Microbiological Safety</b>
		Total Plate Count
		Mould count

Std. Nos.	Categories	Parameters
		Flat Sour Organisms
		<i>Staphylococcus aureus</i>
		<i>Salmonella</i>
		<i>Shigella</i>
		<i>Clostridium botulinum</i>
		<i>E.coli</i>
		<i>Vibrio cholerae</i>
		<b>Pesticides</b>
		<b>For Fruit Flakes</b>
		Aldrin, dieldrin (the limits apply to aldrin and dieldrin singly or in any combination and are expressed as dieldrin)
		Chlordane (residue to be measured as cis plus trans chlordane)
		D.D.T. (The limits apply to D.D.T., D.D.D. and D.D.E. singly or in any combination)
		Dichlorvos (content of di- chloroacetaldehyde (D.C.A.) be reported where possible)
		Dicofol
		Dimethoate (residue to be determined as dimethoate and expressed as dimethoate)
		Endosulfan (residues are measured and reported as total of endosulfan A and B and endosulfan-sulphate)
		Fenitrothion
		Inorganic bromide (determined and expressed as total bromide from all sources)
		Hexachlorocyclohexane and its Isomers
		(a) Alfa ( $\alpha$ ) Isomer:
		(b) Beta ( $\beta$ ) Isomer :
		(c) Gamma ( $\gamma$ ) Isomer (Known as Lindane)
		(d) Delta ( $\delta$ ) Isomer
		Malathion (Malathion to be determined and expressed as combined residues of malathion and malaoxon)
		Parathion (Combined residues of parathion and paraoxon to be determined and expressed as parathion)
		Parathion methyl (combined residues of parathion methyl and its oxygen analogue to be determined and expressed asparathion methyl)
		Phosphamidon residues (expressed as the sum of phosphamidon and its desethyl derivative)

Std. Nos.	Categories	Parameters
		Pyrethrins (sum of pyrethrins I & II and otherstructurally related insecticide Ingredients of pyrethrum)
		Chlorobenzilate
		Chlorpyrifos
		2,4D
		Ethion (Residues to bedetermined as ethion andlts oxygen analogueand expressed as ethion)
		Formothion (Determined as dinethoate and its oxygen Analogue and expressed as dimethoate except incase of citrus fruits where it is to be determined as formothion)
		Monocrotophos
		Paraquat Dichloride (Determined as Paraquat cations)
		Phosalone
		Trichlorfon
		Thiometon (Residues determined as thiometon its sulfoxide and sulphone expressed as thiometon)
		Carbendazim
		Benomyl
		Captan
		Carbofuran (sum of carbofuran and 3-hydroxy carbofuran expressed as carbofuran)
		Copper Oxychloride (determined as copper)
		Fenthion (sum of fenthion, its oxygen analogue and their sulphoxides and sulphones expressed as fenthion)
		Dithiocarbamates (the residue tolerance limit are determined and expressed as mg/CS2/kg and refer separately to the residues arising from any or each group of dithiocarbamates)
		Phorate (sum of Phorate, its oxygen analogue and their sulphoxides and sulphones,expressed as phorate)
		Alfa Nephthyl Acetic Acid (A.N.A.)
		Chlormequatchloride
		Dodine
		Diuron
		Ethephon

Std. Nos.	Categories	Parameters
		Thiophenatemethyl
		Fenarimol
		Hexaconazole
		Iprodione
		Tridemorph
		Penconazole
		Myclobutanil
		Dithianon
		Cymoxanil
		Triadimefon
		Dimethomorph
		Propineb
		Fosetyl-A1
		Difenoconazole
		<b>For Vegetable Flakes</b>
		Aldrin, dieldrin (the limits apply to aldrin and dieldrin singly or in any combination and are expressed as dieldrin)
		Carbaryl
		Chlordane (residue to be measured as cis plus trans chlordane)
		D.D.T. (The limits apply to D.D.T., D.D.D. and D.D.E. singly or in any combination)
		Diazinon
		Dichlorvos (content of di- chloroacetaldehyde (D.C.A.) be reported where possible)
		Dicofol
		Dimethoate (residue to be determined as dimethoate and expressed as dimethoate)
		Endosulfan (residues are measured and reported as total of endosulfan A and B and endosulfan-sulphate)
		Fenitrothion
		Heptachlor (combined residues of heptachlor and its epoxide to be determined and expressed as Heptachlor)
		Hexachlorocycle hexane and its Isomers

Std. Nos.	Categories	Parameters
		(a) Alfa ( $\alpha$ ) Isomer:
		(b) Beta ( $\beta$ ) Isomer :
		(c) Gamma ( $\gamma$ ) Isomer (Known as Lindane)
		(d) Delta ( $\delta$ ) Isomer
		Malathion (Malathion to be determined and expressed as combined residues of malathion and malaoxon)
		Parathion (Combined residues of parathion and paraoxon to be determined and expressed as parathion)
		Parathion methyl (combined residues of parathion methyl and its oxygen analogue to be determined and expressed asparathion methyl)
		Phosphamidon residues (expressed as the sum of phosphamidon and its desethyl derivative)
		Pyrethrins (sum of pyrethrins I & II and otherstructurally related insecticide Ingredients of pyrethrum)
		Chlorienvinphos(Residues to be measured as alpha and beta isomers of Chlorienvinphos)
		Chlorpyrifos
		Ethion (Residues to bedetermined as ethion andlts oxygen analogueand expressed as ethion)
		Formothion (Determined as dinethoate and its oxygen Analogue and expressed as dimethoate except incase of citrus fruits where it is to be determined as formothion)
		Monocrotophos
		Paraquat Dichloride (Determined as Paraquat cations)
		Phosalone
		Trichlorfon
		Thiometon (Residues determined as thiometon its sulfoxide and sulphone expressed as thiometon)
		Carbendazim
		Benomyl
		Captan
		Carbofuran (sum of carbofuran and 3-hydroxy carbofuran expressed as carbofuran)
		Copper Oxychloride (determined as copper)
		Fenthion (sum of fenthion, its oxygen analogue and their sulphoxides and sulphones expressed as fenthion)

Std. Nos.	Categories	Parameters
		Fenvalerate (fat soluble residue)
		Dithiocarbamates (the residue tolerance limit are determined and expressed as mg/CS <sup>2</sup> /kg and refer separately to the residues arising from any or each group of dithiocarbamates)
		Phorate (sum of Phorate, its oxygen analogue and their sulphoxides and sulphones, expressed as phorate)
		Captafol
		Ethephon
		Permethrin
		Iprodione
		Spinosad
		Triadimefon
		Metiram
		Lufenuron
		Novoluron
2.3.21	<b>Squashes, Crushes, Fruit Syrups/fruit Sharbats and Barley Water</b>	<b>General Parameters</b>
		Squashes, Crushes, Fruit Syrups/Fruit Sharbats and Barley Water means the product prepared from unfermented but fermentable fruit juice/puree or concentrate clear or cloudy, obtained from any suitable fruit or several fruits by blending it with nutritive sweeteners, water and with or without salt, aromatic herbs, peel oil and any other ingredients suitable to the products
		Test for preservatives (Singly )
		a. Benzoic acid, Sodium and Potassium benzoate (calculated as Benzoic acid)
		b. Sulphur dioxide
		c. Sorbic acid and its Calcium, Sodium, Potassium Salts (Calculated as sorbic acid)
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Beta carotene, Carotene(Natural extract), Annatto extract (Bixin), Beta apo-8 carotenal, Methyl and ethyl esters of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours(Plain), Caramel colours(Ammonium Sulphite process)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF,

Std. Nos.	Categories	Parameters
		Indigo carmine, Brilliant blue FCF, Fast green FCF )
		Test for Antioxidants (BHA, TBHQ and ascorbyl palmitate)
		Test for Artificial sweeteners (Singly)
		a. Aspartame
		b. Acesulphame K
		c. Saccharin Sodium
		d. Sucralose
		Filled (product) capacity of the container
		<b>Quality Parameters</b>
		<b>Squash</b>
		Min (%) of fruit juice/puree in the final product
		Total Soluble Solids Min (%)
		Acidity expressed as Citric Acid Max
		<b>Crush</b>
		Min(%) of fruit juice/puree in the final product
		Total Soluble Solids Min(%)
		Acidity expressed as Citric Acid Max
		<b>Fruit Syrup/Fruit Sharbats</b>
		Min(%) of fruit juice/puree in the final product
		Total Soluble Solids Min(%)
		Acidity expressed as Citric Acid Max
		<b>Cordial</b>
		Min(%) of fruit juice/puree in the final product
		Total Soluble Solids Min(%)
		Acidity expressed as Citric Acid Max
		<b>Barley water</b>
		Min(%) of fruit juice/puree in the final product
		Total Soluble Solids Min(%)
		Acidity expressed as Citric Acid Max
		Barley Starch
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Tin
		Zinc
		Cadmium
		Mercury
		Methyl Mercury calculated as the element
		<b>Naturally occurring toxic substances (for Stone Fruit only)</b>

Std. Nos.	Categories	Parameters
		Hydrocyanic acid
		<b>Microbiological Safety</b>
		Total Plate Count
		Yeast and Mould count
		Coliform count
		Flat Sour Organisms
		<i>Staphylococcus aureus</i>
		<i>Salmonella</i>
		<i>Shigella</i>
		<i>Clostridium botulinum</i>
		<i>E. coli</i>
		<i>Vibrio cholerae</i>
		<i>Listeria sp</i>
		<b>Pesticides</b>
		Aldrin, dieldrin (the limits apply to aldrin and dieldrin singly or in any combination and are expressed as dieldrin)
		Chlordane (residue to be measured as cis plus trans chlordane)
		D.D.T. (The limits apply to D.D.T., D.D.D. and D.D.E. singly or in any combination)
		Dichlorvos (content of di- chloroacetaldehyde (D.C.A.) be reported where possible)
		Dicofol
		Dimethoate (residue to be determined as dimethoate and expressed as dimethoate)
		Endosulfan (residues are measured and reported as total of endosulfan A and B and endosulfan-sulphate)
		Fenitrothion
		Inorganic bromide (determined and expressed as total bromide from all sources)
		Hexachlorocycle hexane and its Isomers
		(a) Alfa ( $\alpha$ ) Isomer:
		(b) Beta ( $\beta$ ) Isomer :
		(c) Gamma ( $\gamma$ ) Isomer (Known as Lindane)
		(d) Delta ( $\delta$ ) Isomer
		Malathion (Malathion to be determined and expressed as combined residues of malathion and malaaxon)
		Parathion (Combined residues of parathion and paraoxon to be

Std. Nos.	Categories	Parameters
		determined and expressed as parathion)
		Parathion methyl (combined residues of parathion methyl and its oxygen analogue to be determined and expressed asparathion methyl)
		Phosphamidon residues (expressed as the sum of phosphamidon and its desethyl derivative)
		Pyrethrins (sum of pyrethrins I & II and otherstructurally related insecticide Ingredients of pyrethrum)
		Chlorobenzilate
		Chlorpyrifos
		2,4D
		Ethion (Residues to bedetermined as ethion andlts oxygen analogueand expressed as ethion)
		Formothion (Determined as dinethoate and its oxygen Analogue and expressed as dimethoate except incase of citrus fruits where it is to be determined as formothion)
		Monocrotophos
		Paraquat Dichloride (Determined as Paraquat cations)
		Phosalone
		Trichlorfon
		Thiometon (Residues determined as thiometon its sulfoxide and sulphone expressed as thiometon)
		Carbendazim
		Benomyl
		Captan
		Carbofuran (sum of carbofuran and 3-hydroxy carbofuran expressed as carbofuran)
		Copper Oxychloride (determined as copper)
		Fenthion (sum of fenthion, its oxygen analogue and their sulphoxides and sulphones expressed as fenthion)
		Dithiocarbamates (the residue tolerance limit are determined and expressed as mg/CS2/kg and refer separately to the residues arising from any or each group of dithiocarbamates)
		Phorate (sum of Phorate, its oxygen analogue and their sulphoxides and sulphones,expressed as phorate)

Std. Nos.	Categories	Parameters
		Alfa Nephthyl Acetic Acid (A.N.A.)
		Chlormequatchloride
		Dodine
		Diuron
		Ethephon
		Thiophenatemethyl
		Fenarimol
		Hexaconazole
		Iprodione
		Tridemorph
		Penconazole
		Myclobutanil
		Dithianon
		Cymoxanil
		Triadimefon
		Fosetyl-A1
		Difenoconazole
		Dimethomorph
		Propineb
<b>2.3.22</b>	<b>Ginger Cocktail (Ginger Beer or Ginger Ale)</b>	<b>General Parameters</b>
		Ginger Cocktail (Ginger Beer Or Gingerale) means the product prepared by blending ginger juice or its oleoresin or essence with water and nutritive sweeteners.
		Visible extraneous matter when diluted
		Test for preservatives (Singly or in combination)
		a. Benzoic acid, Sodium and Potassium benzoate (calculated as Benzoic acid)
		b. Sulphur dioxide
		c. Sorbic acid and its Calcium, Sodium, Potassium Salts (Calculated as sorbic acid)
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Beta carotene, Carotene(Natural extract), Annatto extract (Bixin), Beta apo-8 carotenal, Methyl and ethyl esters of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours(Plain), Caramel colours(Ammonium

Std. Nos.	Categories	Parameters
		Sulphite process)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		Test for Antioxidants (BHA, TBHQ and ascorbyl palmitate)
		Test for Artificial sweeteners (singly)
		a. Aspartame
		b. Acesulphame K
		c. Saccharin Sodium
		d. Sucralose
		<b>Quality Parameters</b>
		Total Soluble Solids Min (%)
		Filled (product) capacity of the container
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Tin
		Zinc
		Cadmium
		Mercury
		Methyl Mercury calculated as the element
		<b>Microbiological Safety</b>
		Total Plate Count
		Yeast and Mould count
		Coliform count
		Flat Sour Organisms
		<i>Staphylococcus aureus</i>
		<i>Salmonella</i>
		<i>Shigella</i>
		<i>Clostridium botulinum</i>
		<i>E.coli</i>
		<i>Vibrio cholerae</i>
		<i>Listeria sp</i>

Std. Nos.	Categories	Parameters
		<b>Pesticides</b>
		Inorganic bromide (determined and expressed as total bromide from all sources)
2.3.23	<b>Synthetic Syrup for use in Dispensers for Carbonated Waters</b>	General Parameters
		Synthetic Syrup for use in Dispensers for carbonated water means carbonated water obtained by blending nutritive sweeteners with water and other ingredients appropriate to the product.
		Visible extraneous matter when diluted
		Test for preservatives (Singly)
		a. Benzoic acid, Sodium and Potassium benzoate (calculated as Benzoic acid)
		b. Sulphur dioxide
		c. Sorbic acid and its Calcium, Sodium, Potassium Salts (Calculated as sorbic acid)
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Beta carotene, Carotene (Natural extract), Annatto extract (Bixin), Beta apo-8 carotenal, Methyl and ethyl esters of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours (Plain), Caramel colours (Ammonium Sulphite process))
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF)
		Test for Antioxidants (BHA, TBHQ and ascorbyl palmitate)
		Test for Artificial sweeteners (singly)
		a. Aspartame
		b. Acesulphame K
		c. Saccharin Sodium
		d. Sucralose
		e. Polyols (sorbitol, xylitol, maltitol, lactitol, manitol)
		Test for Non Nutritive Sweetener
		b. Steviol Glycoside
		<b>Quality Parameters</b>
		Total Soluble Solids Min (%)
		Filled (product) capacity of the container
		<b>Metal Contaminants</b>
		Lead
		Copper

Std. Nos.	Categories	Parameters
		Arsenic
		Tin
		Zinc
		Cadmium
		Mercury
		Methyl Mercury calculated as the element
		<b>Microbiological Safety</b>
		Yeast and Mould count
		Flat Sour Organisms
		<i>Staphylococcus aureus</i>
		<i>Salmonella</i>
		<i>Shigella</i>
		<i>Clostridium botulinum</i>
		<i>E.coli</i>
		<i>Vibrio cholerae</i>
		<i>Listeria spp</i>
<b>2.3.24</b>	<b>Synthetic Syrup or Sharbat</b>	<b>General Parameters</b>
		Synthetic syrup or sharbat means the syrup obtained by blending syrup made from sugar, dextrose or liquid glucose.
		It may contain citric acid, permitted colours, permitted preservatives and permitted flavouring agents.
		Visible extraneous matter, burnt or objectionable taints and crystallization
		Test for preservatives (Singly)
		a. Benzoic acid, Sodium and Potassium benzoate (calculated as Benzoic acid)
		b. Sulphur dioxide
	<b>564</b>	c. Sorbic acid and its Calcium, Sodium, Potassium Salts (Calculated as sorbic acid)
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Beta carotene, Carotene (Natural extract), Annatto extract (Bixin), Beta apo-8 carotenal, Methyl and ethyl esters of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours (Plain), Caramel colours (Ammonium Sulphite process))

Std. Nos.	Categories	Parameters
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		Test for Antioxidants (BHA, TBHQ and ascorbyl palmitate)
		Test for Artificial sweeteners (singly)
		a. Aspartame
		b. Acesulphame K
		c. Saccharin Sodium
		d. Sucralose
		e. Polyols (sorbitol, xylitol, maltitol, lactitol, manitol )
		<b>Quality Parameters</b>
		Total Soluble Solids Min (%)
		Filled (product) capacity of the container
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Tin
		Zinc
		Cadmium
		Mercury
		Methyl Mercury calculated as the element
		<b>Microbiological Safety</b>
		Yeast and Mould count
		Flat Sour Organisms
		<i>Staphylococcus aureus</i>
		<i>Salmonella</i>
		<i>Shigella</i>
		<i>Clostridium botulinum</i>
		<i>E.coli</i>
		<i>Vibrio cholerae</i>
		<i>Listeria sp</i>
<b>2.3.25</b>	<b>Murabba</b>	<b>General Parameters</b>
		Murabba means the product, prepared from suitable, sound whole or cut grated fruits, rhizome or vegetables, appropriately prepared, suitable for the purpose, singly or in combination, by impregnating it, with nutritive sweeteners to a

Std. Nos.	Categories	Parameters
		concentration adequate to preserve it.
		Test for preservatives (singly or in combination)
		a. Benzoic acid, Sodium and Potassium benzoate
		b. Sulphur dioxide
		c. Sorbic acid and its Calcium, Sodium, Potassium Salts (Calculated as sorbic acid)
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Beta carotene, Carotene (Natural extract), Annatto extract (Bixin), Beta apo-8 carotenal, Methyl and ethyl esters of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours (Plain), Caramel colours (Ammonium Sulphite process))
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF)
		Test for Antioxidants (BHA, TBHQ and ascorbyl palmitate)
		Test for Artificial sweeteners
		a. Aspartame
		b. Acesulphame K
		c. Saccharin Sodium
		d. Sucralose
		<b>Quality Parameters</b>
		Filled (product) capacity of the container
		Total Soluble Solid (m/m)
		Fruit content (m/m)
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Tin
		Zinc
		Cadmium
		Mercury
		Methyl Mercury calculated as the element
		<b>Microbiological Safety</b>
		Total Plate Count
		Incubation at 37°C for 10 days & 55°C for 7 days
		Yeast and mould count

Std. Nos.	Categories	Parameters
		Flat Sour Organisms
		<i>Staphylococcus aureus</i>
		<i>Salmonella</i>
		<i>Shigella</i>
		<i>Clostridium botulinum</i>
		<i>E.coli</i>
		<i>Vibrio cholerae</i>
		<i>Listeria sp</i>
		<b>Pesticides</b>
		<b>For Fruit Murabba</b>
		Aldrin, dieldrin (the limits apply to aldrin and dieldrin singly or in any combination and are expressed as dieldrin)
		Chlordane (residue to be measured as cis plus trans chlordane)
		D.D.T. (The limits apply to D.D.T., D.D.D. and D.D.E. singly or in any combination)
		Dichlorvos (content of di- chloroacetaldehyde (D.C.A.) be reported where possible)
		Dicofol
		Dimethoate (residue to be determined as dimethoate and expressed as dimethoate)
		Endosulfan (residues are measured and reported as total of endosulfan A and B and endosulfan-sulphate)
		Fenitrothion
		Inorganic bromide (determined and expressed as total bromide from all sources)
		Hexachlorocycle hexane and its Isomers
		(a) Alfa ( $\alpha$ ) Isomer:
		(b) Beta ( $\beta$ ) Isomer :
		(c) Gamma ( $\gamma$ ) Isomer (Known as Lindane)
		(d) Delta ( $\delta$ ) Isomer
		Malathion (Malathion to be determined and expressed as combined residues of malathion and malaoxon)
		Parathion (Combined residues of parathion and paraoxon to be determined and expressed as parathion)
		Parathion methyl (combined residues of parathion methyl and its oxygen analogue to be determined and expressed asparathion methyl)

Std. Nos.	Categories	Parameters
		Phosphamidon residues (expressed as the sum of phosphamidon and its desethyl derivative)
		Pyrethrins (sum of pyrethrins I & II and other structurally related insecticide ingredients of pyrethrum)
		Chlorobenzilate
		Chlorpyrifos
		2,4D
		Ethion (Residues to be determined as ethion and its oxygen analogue and expressed as ethion)
		Formothion (Determined as dimethoate and its oxygen analogue and expressed as dimethoate except in case of citrus fruits where it is to be determined as formothion)
		Monocrotophos
		Paraquat Dichloride (Determined as Paraquat cations)
		Phosalone
		Trichlorfon
		Thiometon (Residues determined as thiometon its sulfoxide and sulphone expressed as thiometon)
		Carbendazim
		Benomyl
		Captan
		Carbofuran (sum of carbofuran and 3-hydroxy carbofuran expressed as carbofuran)
		Copper Oxychloride (determined as copper)
		Fenthion (sum of fenthion, its oxygen analogue and their sulphoxides and sulphones expressed as fenthion)
		Dithiocarbamates (the residue tolerance limit are determined and expressed as mg/CS <sub>2</sub> /kg and refer separately to the residues arising from any or each group of dithiocarbamates)
		Phorate (sum of Phorate, its oxygen analogue and their sulphoxides and sulphones, expressed as phorate)
		Chlormequatchloride
		Dodine
		Diuron
		Ethephon

Std. Nos.	Categories	Parameters
		Thiophenatemethyl
		Fenarimol
		Hexaconazole
		Iprodione
		Tridemorph
		Penconazole
		Myclobutanil
		Dithianon
		Cymoxanil
		Triadimefon
		Foestyl-A1
		Difenoconazole
		Dimethomorph
		Propineb
		<b>For Vegetable Murabba</b>
		Aldrin, dieldrin (the limits apply to aldrin and dieldrin singly or in any combination and are expressed as dieldrin)
		Carbaryl
		Chlordane (residue to be measured as cis plus trans chlordane)
		D.D.T. (The limits apply to D.D.T., D.D.D. and D.D.E. singly or in any combination)
		Dichlorvos (content of di-chloroacetaldehyde (D.C.A.) be reported where possible)
		Diazinon
		Dicofol
		Dimethoate (residue to be determined as dimethoate and expressed as dimethoate)
		Endosulfan (residues are measured and reported as total of endosulfan A and B and endosulfan-sulphate)
		Fenitrothion
		Heptachlor (combined residues of heptachlor and its epoxide to be determined and expressed as Heptachlor)
		Hexachlorocyclohexane and its Isomers
		(a) Alfa ( $\alpha$ ) Isomer:
		(b) Beta ( $\beta$ ) Isomer :
		(c) Gamma ( $\gamma$ ) Isomer (Known as Lindane)

Std. Nos.	Categories	Parameters
		(d) Delta ( $\delta$ ) Isomer
		Malathion (Malathion to be determined and expressed as combined residues of malathion and malaoxon)
		Parathion (Combined residues of parathion and paraoxon to be determined and expressed as parathion)
		Parathion methyl (combined residues of parathion methyl and its oxygen analogue to be determined and expressed asparathion methyl)
		Phosphamidon residues (expressed as the sum of phosphamidon and its desethyl derivative)
		Pyrethrins (sum of pyrethrins I & II and otherstructurally related insecticide Ingredients of pyrethrum)
		Chlorienvinphos(Residues to be measured as alpha and beta isomers of Chlorienvinphos)
		Chlorpyrifos
		Ethion (Residues to bedetermined as ethion andlts oxygen analogueand expressed as ethion)
		Formothion (Determined as dinethoate and its oxygen Analogue and expressed as dimethoate except incase of citrus fruits where it is to be determined as formothion)
		Monocrotophos
		Paraquat Dichloride (Determined as Paraquat cations)
		Phosalone
		Trichlorfon
		Thiometon (Residues determined as thiometon its sulfoxide and sulphone expressed as thiometon)
		Carbendazim
		Benomyl
		Captan
		Carbofuran (sum of carbofuran and 3-hydroxy carbofuran expressed as carbofuran)
		Copper Oxychloride (determined as copper)
		Fenthion (sum of fenthion, its oxygen analogue and their sulphoxides and sulphones expressed as fenthion)
		Fenvalerate (fat soluble residue)
		Dithiocarbamates (the residue tolerance limit are determined and expressed as mg/CS <sub>2</sub> /kg and refer separately to the residues arising from any or each group of dithiocarbamates)

Std. Nos.	Categories	Parameters
		Phorate (sum of Phorate, its oxygen analogue and their sulphoxides and sulphones, expressed as phorate)
		Captafol
		Ethephon
		Permethrin
		Iprodione
		Spinosad
		Triadimefon
		Metiram
		Lufenuron
		Novoluron
2.3.26	Candied, Crystallised and Glazed Fruit / Vegetable/Rhizome/Fruit peel	<b>General Parameters</b>
		Candied Fruits / Vegetables/ Rhizome / Fruit Peel means the product prepared from sound and ripe fruits, vegetables, rhizomes or fruit peel, of any suitable variety, appropriately prepared, by impregnating it with nutritive sweeteners to a concentration adequate to preserve it
		Crystallised Fruit / Vegetable/ Rhizome / Fruit Peel means the product prepared from candied product by coating with pure crystallised sugar or by drying the syrup on wet candied fruit.
		Glazed Fruit/ Vegetable/Rhizome / Fruit Peel means the product prepared from candied product by coating it with a thin transparent layer of heavy syrup with or without pectin which has dried to a more or less firm texture on the product
		Test for preservatives (singly or in combination)
		a. Benzoic acid, Sodium and Potassium benzoate
		b. Sulphur dioxide
		c. Sorbic acid and its Calcium, Sodium, Potassium Salts (Calculated as sorbic acid)
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Beta carotene, Carotene (Natural extract), Annatto extract (Bixin), Beta apo-8 carotenal, Methyl and ethyl esters of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours (Plain), Caramel colours (Ammonium Sulphite process))
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF)
		Test for Antioxidants (BHA, TBHQ and ascorbyl palmitate)
		Test for Artificial sweeteners
		a. Aspartame

Std. Nos.	Categories	Parameters
		b. Acesulphame K
		c. Saccharin Sodium
		d. Sucralose
		<b>Quality Parameters</b>
		Total sugar (m/m)
		percentage of reducing sugar to total sugar (m/m)
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Tin
		Zinc
		Cadmium
		Mercury
		Methyl Mercury calculated as the element
		<b>Naturally occurring toxic substances (for Stoen fruits only)</b>
		Hydrocyanic acid
		<b>Microbiological Safety</b>
		Mould count
		Flat Sour Organisms
		<i>Staphylococcus aureus</i>
		<i>Salmonella</i>
		<i>Shigella</i>
		<i>Clostridium botulinum</i>
		<i>E. coli</i>
		<i>Vibrio cholerae</i>
		<i>Listeria sp</i>
		<b>Pesticides</b>
		<b>For Fruit</b>
		Aldrin, dieldrin (the limits apply to aldrin and dieldrin singly or in any combination and are expressed as dieldrin)
		Chlordane (residue to be measured as cis plus trans chlordane)
		D.D.T. (The limits apply to D.D.T., D.D.D. and D.D.E. singly or in any combination)
		Diazinon
		Dichlorvos (content of di- chloroacetaldehyde (D.C.A.) be reported where possible)

Std. Nos.	Categories	Parameters
		Dicofol
		Dimethoate (residue to be determined as dimethoate and expressed as dimethoate)
		Endosulfan (residues are measured and reported as total of endosulfan A and B and endosulfan-sulphate)
		Fenitrothion
		Inorganic bromide (determined and expressed as total bromide from all sources)
		Hexachlorocyclohexane and its Isomers
		(a) Alfa ( $\alpha$ ) Isomer:
		(b) Beta ( $\beta$ ) Isomer :
		(c) Gamma ( $\gamma$ ) Isomer (Known as Lindane)
		(d) Delta ( $\delta$ ) Isomer
		Malathion (Malathion to be determined and expressed as combined residues of malathion and malaoxon)
		Parathion (Combined residues of parathion and paraoxon to be determined and expressed as parathion)
		Parathion methyl (combined residues of parathion methyl and its oxygen analogue to be determined and expressed as parathion methyl)
		Phosphamidon residues (expressed as the sum of phosphamidon and its desethyl derivative)
		Pyrethrins (sum of pyrethrins I & II and other structurally related insecticide ingredients of pyrethrum)
		Chlorobenzilate
		Chlorpyrifos
		2,4D
		Ethion (Residues to be determined as ethion and its oxygen analogue and expressed as ethion)
		Formothion (Determined as dimethoate and its oxygen Analogue and expressed as dimethoate except in case of citrus fruits where it is to be determined as formothion)
		Monocrotophos
		Paraquat Dichloride (Determined as Paraquat cations)
		Phosalone
		Trichlorfon
		Thiometon (Residues determined as thiometon its sulfoxide and sulphone expressed as thiometon)

Std. Nos.	Categories	Parameters
		Carbendazim
		Benomyl
		Captan
		Carbofuran (sum of carbofuran and 3-hydroxy carbofuran expressed as carbofuran)
		Copper Oxychloride (determined as copper)
		Fenthion (sum of fenthion, its oxygen analogue and their sulphoxides and sulphones expressed as fenthion)
		Dithiocarbamates (the residue tolerance limit are determined and expressed as mg/CS <sub>2</sub> /kg and refer separately to the residues arising from any or each group of dithiocarbamates)
		Phorate (sum of Phorate, its oxygen analogue and their sulphoxides and sulphones, expressed as phorate)
		Alfa Nephthyl Acetic Acid (A.N.A.)
		Chlormequatchloride
		Dodine
		Diuron
		Ethephon
		Thiophenatemethyl
		Fenarimol
		Hexaconazole
		Iprodione
		Tridemorph
		Penconazole
		Myclobutanil
		Dithianon
		Cymoxanil
		Triadimefon
		Fosetyl-A1
		Difenoconazole
		Dimethomorph
		Propineb
		<b>For Vegetable</b>

Std. Nos.	Categories	Parameters
		Aldrin, dieldrin (the limits apply to aldrin and dieldrin singly or in any combination and are expressed as dieldrin)
		Carbaryl
		Chlordane (residue to be measured as cis plus trans chlordane)
		D.D.T. (The limits apply to D.D.T., D.D.D. and D.D.E. singly or in any combination)
		Diazinon
		Dichlorvos (content of di-chloroacetaldehyde (D.C.A.) be reported where possible)
		Dicofol
		Dimethoate (residue to be determined as dimethoate and expressed as dimethoate)
		Endosulfan (residues are measured and reported as total of endosulfan A and B and endosulfan-sulphate)
		Fenitrothion
		Heptachlor (combined residues of heptachlor and its epoxide to be determined and expressed as Heptachlor)
		Hexachlorocyclohexane and its Isomers
		(a) Alfa ( $\alpha$ ) Isomer:
		(b) Beta ( $\beta$ ) Isomer :
		(c) Gamma ( $\gamma$ ) Isomer (Known as Lindane)
		(d) Delta ( $\delta$ ) Isomer
		Malathion (Malathion to be determined and expressed as combined residues of malathion and malaoxon)
		Parathion (Combined residues of parathion and paraoxon to be determined and expressed as parathion)
		Parathion methyl (combined residues of parathion methyl and its oxygen analogue to be determined and expressed as parathion methyl)
		Phosphamidon residues (expressed as the sum of phosphamidon and its desethyl derivative)
		Pyrethrins (sum of pyrethrins I & II and other structurally related insecticide ingredients of pyrethrum)
		Chlorienvinphos (Residues to be measured as alpha and beta isomers of Chlorienvinphos)
		Chlorpyrifos
		Ethion (Residues to be determined as ethion and its oxygen analogue and expressed as ethion)
		Formothion (Determined as dimethoate and its oxygen Analogue and expressed as dimethoate except in case of citrus fruits where it is to be

Std. Nos.	Categories	Parameters
		determined as formothion)
		Monocrotophos
		Paraquat Dichloride (Determined as Paraquat cations)
		Phosalone
		Trichlorfon
		Thiometon (Residues determined as thiometon its sulfoxide and sulphone expressed as thiometon)
		Carbendazim
		Benomyl
		Captan
		Carbofuran (sum of carbofuran and 3-hydroxy carbofuran expressed as carbofuran)
		Copper Oxychloride (determined as copper)
		Fenthion (sum of fenthion, its oxygen analogue and their sulphoxides and sulphones expressed as fenthion)
		Fenvalerate (fat soluble residue)
		Dithiocarbamates (the residue tolerance limit are determined and expressed as mg/CS2/kg and refer separately to the residues arising from any or each group of dithiocarbamates)
		Phorate (sum of Phorate, its oxygen analogue and their sulphoxides and sulphones,expressed as phorate)
		Captafol
		Ethephon
		Permethrin
		Iprodione
		Spinosad
		Triadimefon
		Metiram
		Lufenuron
		Novoluron
<b>2.3.27</b>	<b>Tomato Ketchup and Sauce</b>	<b>General Parameters</b>
		Tomato Ketchup and Tomato Sauce means the product prepared by blending tomato juice/Puree/Paste of appropriate concentration with nutritive sweeteners, salt, vinegar, spices and condiments and any other ingredients suitable to the product and heating to the required consistency. Tomato Paste may be used after dilution with water suitable for the purpose of maintaining the essential composition of the product.

Std. Nos.	Categories	Parameters
		Test for preservatives (singly or in combination)
		a. Benzoic acid, Sodium and Potassium benzoate
		b. Sulphur dioxide
		c. Sorbic acid and its Calcium, Sodium, Potassium Salts (Calculated as sorbic acid)
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Beta carotene, Carotene (Natural extract), Annatto extract (Bixin), Beta apo-8 carotenal, Methyl and ethyl esters of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours (Plain), Caramel colours (Ammonium Sulphite process))
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF)
		Test for Antioxidants (BHA, TBHQ and ascorbyl palmitate)
		Test for Artificial sweeteners
		a. Aspartame
		b. Acesulphame K
		c. Saccharin Sodium
		d. Sucralose
		<b>Quality Parameters</b>
		Filled (product) capacity of the container
		Total soluble solids (m/m) salt free basis
		Acidity as Acetic acid
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Zinc
		Cadmium
		<b>Naturally occurring toxic substances</b>
		Saffrole
		<b>Microbiological Safety</b>
		Mould count
		Yeast and spores
		Total Plate count

Std. Nos.	Categories	Parameters
		Flat Sour Organisms
		<i>Staphylococcus aureus</i>
		<i>Salmonella</i>
		<i>Shigella</i>
		<i>Clostridium botulinum</i>
		<i>E.coli</i>
		<i>Vibrio cholerae</i>
		<i>Listeria sp</i>
		<b>Pesticides</b>
		Aldrin, dieldrin (the limits apply to aldrin and dieldrin singly or in any combination and are expressed as dieldrin)
		Carbaryl
		Chlordane (residue to be measured as cis plus trans chlordane)
		D.D.T. (The limits apply to D.D.T., D.D.D. and D.D.E. singly or in any combination)
		Diazinon
		Dichlorvos (content of di- chloroacetaldehyde (D.C.A.) be reported where possible)
		Dicofol
		Dimethoate (residue to be determined as dimethoate and expressed as dimethoate)
		Endosulfan (residues are measured and reported as total of endosulfan A and B and endosulfan-sulphate)
		Fenitrothion
		Heptachlor (combined residues of heptachlor and its epoxide to be determined and expressed as Heptachlor)
		Hexachlorocyclohexane and its Isomers
		(a) Alfa ( $\alpha$ ) Isomer:
		(b) Beta ( $\beta$ ) Isomer :
		(c) Gamma ( $\gamma$ ) Isomer (Known as Lindane)
		(d) Delta ( $\delta$ ) Isomer
		Malathion (Malathion to be determined and expressed as combined residues of malathion and malaoxon)
		Parathion (Combined residues of parathion and paraoxon to be determined and expressed as parathion)

Std. Nos.	Categories	Parameters
		Parathion methyl (combined residues of parathion methyl and its oxygen analogue to be determined and expressed asparathion methyl)
		Phosphamidon residues (expressed as the sum of phosphamidon and its desethyl derivative)
		Pyrethrins (sum of pyrethrins I & II and otherstructurally related insecticide Ingredients of pyrethrum)
		Chlorienvinphos(Residues to be measured as alpha and beta isomers of Chlorienvinphos)
		Chlorpyrifos
		Ethion (Residues to be determined as ethion and its oxygen analogue and expressed as ethion)
		Formothion (Determined as dinethoate and its oxygen Analogue and expressed as dimethoate except in case of citrus fruits where it is to be determined as formothion)
		Monocrotophos
		Paraquat Dichloride (Determined as Paraquat cations)
		Phosalone
		Trichlorfon
		Thiometon (Residues determined as thiometon its sulfoxide and sulphone expressed as thiometon)
		Carbendazim
		Benomyl
		Captan
		Carbofuran (sum of carbofuran and 3-hydroxy carbofuran expressed as carbofuran)
		Copper Oxychloride (determined as copper)
		Fenthion (sum of fenthion, its oxygen analogue and their sulfoxides and sulphones expressed as fenthion)
		Dithiocarbamates (the residue tolerance limit are determined and expressed as mg/CS <sub>2</sub> /kg and refer separately to the residues arising from any or each group of dithiocarbamates)
		Phorate (sum of Phorate, its oxygen analogue and their sulfoxides and sulphones, expressed as phorate)
		Captafol
		Ethephon
		Iprodione
		Metiram
		Novoluron

Std. Nos.	Categories	Parameters
2.3.28	Culinary pastes/ Fruit and Vegetables Sauces other than Tomato and Soya sauce	<b>General Parameters</b>
		Culinary Pastes / Fruits and Vegetable Sauces Other Than Tomato Sauce and Soya Sauce means a culinary preparation used as an adjunct to food, prepared from edible portion of any suitable fruit/vegetable including, roots, tubers & rhizomes, their pulps/purees, dried fruits, singly or in combination by blending with nutritive sweeteners, salt, spices and condiments and other ingredient appropriate to the product.
		Test for preservatives (singly or in combination)
		a. Benzoic acid, Sodium and Potassium benzoate
		b. Sulphur dioxide
		c. Sorbic acid and its Calcium, Sodium, Potassium Salts (Calculated as sorbic acid)
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Beta carotene, Carotene (Natural extract), Annatto extract (Bixin), Beta apo-8 carotenal, Methyl and ethyl esters of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours (Plain), Caramel colours (Ammonium Sulphite process))
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF)
		Test for Antioxidants (BHA, TBHQ and ascorbyl palmitate)
		Test for Artificial sweeteners
		a. Aspartame
		b. Acesulphame K
		c. Saccharin Sodium
		d. Sucralose
		<b>Quality Parameters</b>
		Filled (product) capacity of the container for all sauces
		<b>a) Chili Sauce</b>
		Total Soluble Solids (Salt Free Basis) (m/m)
		Acidity % (as Acetic Acid)
		<b>b) Fruits/Vegetable Sauces</b>
		Total Soluble Solids (Salt Free Basis) (m/m)
		Acidity % (as Acetic Acid)
		<b>c) Culinary Paste/Sauce</b>
		Total Soluble Solids (Salt Free Basis) (m/m)

Std. Nos.	Categories	Parameters
		Acidity %(as Acetic Acid)
		<b>d) Ginger Paste</b>
		Total Soluble Solids(Salt Free Basis) (m/m)
		Acidity %(as Acetic Acid)
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Tin
		Zinc
		Cadmium
		Mercury
		Methyl Mercury calculated as the element
		<b>Naturally occurring toxic substances</b>
		Saffrole
		<b>Microbiological Safety</b>
		Mould count
		Yeast and spores
		Flat Sour Organisms
		<i>Staphylococcus aureus</i>
		<i>Salmonella</i>
		<i>Shigella</i>
		<i>Clostridium botulinum</i>
		<i>E.coli</i>
		<i>Vibrio cholerae</i>
		<i>Listeria sp</i>
		<b>Pesticides</b>
		<b>For Fruit</b>
		Aldrin, dieldrin (the limits apply to aldrin and dieldrin singly or in any combination and are expressed as dieldrin)
		Chlordane (residue to be measured as cis plus trans chlordane)
		D.D.T. (The limits apply to D.D.T., D.D.D. and D.D.E. singly or in any combination)
		Dichlorvos (content of di- chloroacetaldehyde (D.C.A.) be reported where possible)
		Dicofol

Std. Nos.	Categories	Parameters
		Dimethoate (residue to be determined as dimethoate and expressed as dimethoate)
		Endosulfan (residues are measured and reported as total of endosulfan A and B and endosulfan-sulphate)
		Fenitrothion
		Inorganic bromide (determined and expressed as total bromide from all sources)
		Hexachlorocyclohexane and its Isomers
		(a) Alfa ( $\alpha$ ) Isomer:
		(b) Beta ( $\beta$ ) Isomer :
		(c) Gamma ( $\gamma$ ) Isomer (Known as Lindane)
		(d) Delta ( $\delta$ ) Isomer
		Malathion (Malathion to be determined and expressed as combined residues of malathion and malaoxon)
		Parathion (Combined residues of parathion and paraoxon to be determined and expressed as parathion)
		Parathion methyl (combined residues of parathion methyl and its oxygen analogue to be determined and expressed asparathion methyl)
		Phosphamidon residues (expressed as the sum of phosphamidon and its desethyl derivative)
		Pyrethrins (sum of pyrethrins I & II and otherstructurally related insecticide Ingredients of pyrethrum)
		Chlorobenzilate
		Chlorpyrifos
		2,4D
		Ethion (Residues to bedetermined as ethion andIts oxygen analogueand expressed as ethion)
		Formothion (Determined as dinethoate and its oxygen Analogue and expressed as dimethoate except incase of citrus fruits where it is to be determined as formothion)
		Monocrotophos
		Paraquat Dichloride (Determined as Paraquat cations)
		Phosalone
		Trichlorfon
		Thiometon (Residues determined as thiometon its sulfoxide and sulphone expressed as thiometon)
		Carbendazim

Std. Nos.	Categories	Parameters
		Benomyl
		Captan
		Carbofuran (sum of carbofuran and 3-hydroxy carbofuran expressed as carbofuran)
		Copper Oxychloride (determined as copper)
		Fenthion (sum of fenthion, its oxygen analogue and their sulphoxides and sulphones expressed as fenthion)
		Dithiocarbamates (the residue tolerance limit are determined and expressed as mg/CS <sub>2</sub> /kg and refer separately to the residues arising from any or each group of dithiocarbamates)
		Phorate (sum of Phorate, its oxygen analogue and their sulphoxides and sulphones, expressed as phorate)
		Alfa Nephthyl Acetic Acid (A.N.A.)
		Chlormequatchloride
		Dodine
		Diuron
		Ethephon
		Thiophenatemethyl
		Fenarimol
		Hexaconazole
		Iprodione
		Tridemorph
		Penconazole
		Myclobutanil
		Dithianon
		Cymoxanil
		Triadimefon
		Foestyl-A1
		Difenoconazole
		Dimethomorph
		Propineb
		<b>For Vegetable</b>
		Aldrin, dieldrin (the limits apply to aldrin and dieldrin singly or in any combination and are expressed as dieldrin)
		Carbaryl

Std. Nos.	Categories	Parameters
		Chlordane (residue to be measured as cis plus trans chlordane)
		D.D.T. (The limits apply to D.D.T., D.D.D. and D.D.E. singly or in any combination)
		Dichlorvos (content of di- chloroacetaldehyde (D.C.A.) be reported where possible)
		Diazinon
		Dicofol
		Dimethoate (residue to be determined as dimethoate and expressed as dimethoate)
		Endosulfan (residues are measured and reported as total of endosulfan A and B and endosulfan-sulphate)
		Fenitrothion
		Heptachlor (combined residues of heptachlor and its epoxide to be determined and expressed as Heptachlor)
		Hexachlorocycle hexane and its Isomers
		(a) Alfa ( $\alpha$ ) Isomer:
		(b) Beta ( $\beta$ ) Isomer :
		(c) Gamma ( $\gamma$ ) Isomer (Known as Lindane)
		(d) Delta ( $\delta$ ) Isomer
		Malathion (Malathion to be determined and expressed as combined residues of malathion and malaaxon)
		Parathion (Combined residues of parathion and paraoxon to be determined and expressed as parathion)
		Parathion methyl (combined residues of parathion methyl and its oxygen analogue to be determined and expressed asparathion methyl)
		Phosphamidon residues (expressed as the sum of phosphamidon and its desethyl derivative)
		Pyrethrins (sum of pyrethrins I & II and otherstructurally related insecticide Ingredients of pyrethrum)
		Chlorienvinphos(Residues to be measured as alpha and beta isomers of Chlorienvinphos)
		Chlorpyrifos
		Ethion (Residues to bedetermined as ethion andIts oxygen analogueand expressed as ethion)
		Formothion (Determined as dinethoate and its oxygen Analogue and expressed as dimethoate except incase of citrus fruits where it is to be determined as formothion)
		Monocrotophos
		Paraquat Dichloride (Determined as Paraquat cations)

Std. Nos.	Categories	Parameters
		Phosalone
		Trichlorfon
		Thiometon (Residues determined as thiometon its sulfoxide and sulphone expressed as thiometon)
		Carbendazim
		Benomyl
		Captan
		Carbofuran (sum of carbofuran and 3-hydroxy carbofuran expressed as carbofuran)
		Copper Oxychloride (determined as copper)
		Fenthion (sum of fenthion, its oxygen analogue and their sulphoxides and sulphones expressed as fenthion)
		Fenvalerate (fat soluble residue)
		Phorate (sum of Phorate, its oxygen analogue and their sulphoxides and sulphones,expressed as phorate)
		Permethrin
		Spinosad
		Triadimefon
		Lufenuron
		Novoluron
<b>2.3.29</b>	<b>Soya sauce</b>	<b>General Parameters</b>
		Soyabean Sauce means the product obtained from wholesome soyabeans, by fermenting the soyabean paste in which trypsin inhibitors have been inactivated & blending with salt, nutritive sweeteners. It may contain spices and condiments and other ingredients appropriate to the product preserved by using permitted preservative
		Test for preservatives (singly or in combination)
		a. Benzoic acid, Sodium and Potassium benzoate
		b. Sulphur dioxide
		c. Sorbic acid and its Calcium, Sodium, Potassium Salts (Calculated as sorbic acid)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		Test for Antioxidants (BHA, TBHQ and ascorbyl palmitate)
		Test for Artificial sweeteners
		a. Aspartame
		b. Acesulphame K
		c. Saccharin Sodium

Std. Nos.	Categories	Parameters
		d. Sucralose
		<b>Quality Parameters</b>
		Filled (product) capacity of the container for all sauces
		Total Soluble Solids(Salt Free Basis) (m/m)
		Acidity %(as Acetic Acid)
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Tin
		Zinc
		Cadmium
		Mercury
		Methyl Mercury calculated as the element
		<b>Naturally occurring toxic substances</b>
		Saffrole
		<b>Microbiological Safety</b>
		Mould count
		Yeast and spores
		Flat Sour Organisms
		<i>Staphylococcus aureus</i>
		<i>Salmonella</i>
		<i>Shigella</i>
		<i>Clostridium botulinum</i>
		<i>E.coli</i>
		<i>Vibrio cholerae</i>
		<i>Listeria sp</i>
		<b>Pesticides</b>
		Alachlor
		Fluchoralin
		Fenoxy-prop-p-ethyl
		Quizalofop-ethyl
		Clomazone
<b>2.3.30</b>	<b>Carbonated Fruit Beverages or Fruit Drinks</b>	<b>General Parameters</b>

Std. Nos.	Categories	Parameters
		Carbonated Fruit Beverages or Fruit Drink means any beverage or drink which is purported to be prepared from fruit juice and water or carbonated water and containing sugar, dextrose, invert sugar or liquid glucose either singly or in combination. It may contain peel oil and fruit essences
		Test for preservatives (singly or in combination)
		a. Benzoic acid, Sodium and Potassium benzoate
		b. Sulphur dioxide
		c. Sorbic acid and its Calcium, Sodium, Potassium Salts (Calculated as sorbic acid)
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Beta carotene, Carotene (Natural extract), Annatto extract (Bixin), Beta apo-8 carotenal, Methyl and ethyl esters of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours (Plain), Caramel colours (Ammonium Sulphite process)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF)
		Test for Antioxidants (BHA, TBHQ and ascorbyl palmitate)
		Test for Artificial sweeteners
		a. Aspartame
		b. Acesulphame K
		c. Saccharin Sodium
		d. Sucralose
		Test for Non Nutritive Sweetener
		c. Steviol Glycoside
		<b>Quality Parameters</b>
		Filled (product) capacity of the container for all sauces
		Total Soluble solids (m/m)
		Fruit content (m/m)
		(a) Lime or Lemon juice
		(b) Other fruits
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Tin
		Zinc
		Cadmium
		Mercury
		Methyl Mercury calculated as the element
		<b>Naturally occurring toxic substances</b>

Std. Nos.	Categories	Parameters
		Saffrole
		<b>Microbiological Safety</b>
		Total Plate Count
		Yeast and Mould Count
		Coliform Count
		Flat Sour Organisms
		<i>Staphylococcus aureus</i>
		<i>Salmonella</i>
		<i>Shigella</i>
		<i>Clostridium botulinum</i>
		<i>E.coli</i>
		<i>Vibrio cholerae</i>
		<i>Listeria sp</i>
		<b>Pesticides</b>
		Aldrin, dieldrin (the limits apply to aldrin and dieldrin singly or in any combination and are expressed as dieldrin)
		Chlordane (residue to be measured as cis plus trans chlordane)
		D.D.T. (The limits apply to D.D.T., D.D.D. and D.D.E. singly or in any combination)
		Dichlorvos (content of di- chloroacetaldehyde (D.C.A.) be reported where possible)
		Dicofol
		Dimethoate (residue to be determined as dimethoate and expressed as dimethoate)
		Endosulfan (residues are measured and reported as total of endosulfan A and B and endosulfan-sulphate)
		Fenitrothion
		Inorganic bromide (determined and expressed as total bromide from all sources)
		Hexachlorocycle hexane and its Isomers
		(a) Alfa ( $\alpha$ ) Isomer:
		(b) Beta ( $\beta$ ) Isomer :
		(c) Gamma ( $\gamma$ ) Isomer (Known as Lindane)
		(d) Delta ( $\delta$ ) Isomer
		Malathion (Malathion to be determined and expressed as combined residues of malathion and malaaxon)

Std. Nos.	Categories	Parameters
		Parathion (Combined residues of parathion and paraoxon to be determined and expressed as parathion)
		Parathion methyl (combined residues of parathion methyl and its oxygen analogue to be determined and expressed asparathion methyl)
		Phosphamidon residues (expressed as the sum of phosphamidon and its desethyl derivative)
		Pyrethrins (sum of pyrethrins I & II and otherstructurally related insecticide Ingredients of pyrethrum)
		Chlorobenzilate
		Chlorpyrifos
		2,4D
		Ethion (Residues to bedetermined as ethion andlts oxygen analogueand expressed as ethion)
		Formothion (Determined as dinethoate and its oxygen Analogue and expressed as dimethoate except incase of citrus fruits where it is to be determined as formothion)
		Monocrotophos
		Paraquat Dichloride (Determined as Paraquat cations)
		Phosalone
		Trichlorfon
		Thiometon (Residues determined as thiometon its sulfoxide and sulphone expressed as thiometon)
		Carbendazim
		Benomyl
		Captan
		Carbofuran (sum of carbofuran and 3-hydroxy carbofuran expressed as carbofuran)
		Copper Oxychloride (determined as copper)
		Fenthion (sum of fenthion, its oxygen analogue and their sulphoxides and sulphones expressed as fenthion)
		Dithiocarbamates (the residue tolerance limit are determined and expressed as mg/CS2/kg and refer separately to the residues arising from any or each group of dithiocarbamates)
		Phorate (sum of Phorate, its oxygen analogue and their sulphoxides and sulphones,expressed as phorate)

Std. Nos.	Categories	Parameters
		Alfa Nephthyl Acetic Acid (A.N.A.)
		Chlormequatchloride
		Dodine
		Diuron
		Ethephon
		Thiophenatemethyl
		Fenarimol
		Hexaconazole
		Iprodione
		Tridemorph
		Penconazole
		Myclobutanil
		Dithianon
		Cymoxanil
		Triadimefon
		Foestyl-A1
		Difenoconazole
		Dimethomorph
		Propineb
<b>2.3.31</b>	<b>Jam</b>	<b>General Parameters</b>
		Jam means the product prepared from sound, ripe, fresh, dehydrated, frozen or previously packed fruits including fruit juices, fruit pulp, fruit juice concentrate or dry fruit by boiling its pieces or pulp or puree with nutritive sweeteners namely sugar, dextrose, invert sugar or liquid glucose to a suitable consistency. It shall have the flavour of the original fruit(s) and shall be free from burnt or objectionable Flavours.
		Visual examination for crystallization
		Test for preservatives (singly or in combination)
		a. Benzoic acid, Sodium and Potassium benzoate
		b. Sulphur dioxide (as carry over from fruit)
		c. Sorbic acid and its Calcium, Sodium, Potassium Salts (Calculated as sorbic acid)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		Test for Antioxidants (BHA, TBHQ and ascorbyl palmitate)

Std. Nos.	Categories	Parameters
		Test for Artificial sweeteners
		a. Aspartame
		b. Acesulphame K
		c. Saccharin Sodium
		d. Sucralose
		e. Sorbitol
		Test for Non Nutritive Sweetener
		d. Steviol Glycoside
		<b>Quality Parameters</b>
		Total Soluble solids (m/m)
		Fruit content (m/m)
		(a) Strawberry or Raspberry
		(b) Other fruits
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Tin
		Zinc
		Cadmium
		Mercury
		Methyl Mercury calculated as the element
		<b>Microbiological Safety</b>
		Mould Count
		Yeast and Spores
		Flat Sour Organisms
		<i>Staphylococcus aureus</i>
		<i>Salmonella</i>
		<i>Shigella</i>
		<i>Clostridium botulinum</i>
		<i>E.coli</i>
		<i>Vibrio cholerae</i>
		<i>Listeria sp</i>
		<b>Pesticides</b>
		Aldrin, dieldrin (the limits apply to aldrin and dieldrin singly or in any combination and are expressed as dieldrin)

Std. Nos.	Categories	Parameters
		Chlordane (residue to be measured as cis plus trans chlordane)
		D.D.T. (The limits apply to D.D.T., D.D.D. and D.D.E. singly or in any combination)
		Dichlorvos (content of di- chloroacetaldehyde (D.C.A.) be reported where possible)
		Dicofol
		Dimethoate (residue to be determined as dimethoate and expressed as dimethoate)
		Endosulfan (residues are measured and reported as total of endosulfan A and B and endosulfan-sulphate)
		Fenitrothion
		Inorganic bromide (determined and expressed as total bromide from all sources)
		Hexachlorocyclohexane and its Isomers
		(a) Alfa ( $\alpha$ ) Isomer:
		(b) Beta ( $\beta$ ) Isomer :
		(c) Gamma ( $\gamma$ ) Isomer (Known as Lindane)
		(d) Delta ( $\delta$ ) Isomer
		Malathion (Malathion to be determined and expressed as combined residues of malathion and malaoxon)
		Parathion (Combined residues of parathion and paraoxon to be determined and expressed as parathion)
		Parathion methyl (combined residues of parathion methyl and its oxygen analogue to be determined and expressed asparathion methyl)
		Phosphamidon residues (expressed as the sum of phosphamidon and its desethyl derivative)
		Pyrethrins (sum of pyrethrins I & II and otherstructurally related insecticide Ingredients of pyrethrum)
		Chlorobenzilate
		Chlorpyrifos
		2,4D
		Ethion (Residues to be determined as ethion and its oxygen analogue and expressed as ethion)
		Formothion (Determined as dinethoate and its oxygen Analogue and expressed as dimethoate except in case of citrus fruits where it is to be determined as formothion)
		Monocrotophos
		Paraquat Dichloride (Determined as Paraquat cations)

Std. Nos.	Categories	Parameters
		Phosalone
		Trichlorfon
		Thiometon (Residues determined as thiometon its sulfoxide and sulphone expressed as thiometon)
		Carbendazim
		Benomyl
		Captan
		Carbofuran (sum of carbofuran and 3-hydroxy carbofuran expressed as carbofuran)
		Copper Oxychloride (determined as copper)
		Fenthion (sum of fenthion, its oxygen analogue and their sulphoxides and sulphones expressed as fenthion)
		Dithiocarbamates (the residue tolerance limit are determined and expressed as mg/CS <sub>2</sub> /kg and refer separately to the residues arising from any or each group of dithiocarbamates)
		Phorate (sum of Phorate, its oxygen analogue and their sulphoxides and sulphones, expressed as phorate)
		Alfa Nephthyl Acetic Acid (A.N.A.)
		Chlormequatchloride
		Dodine
		Diuron
		Ethephon
		Thiophenatemethyl
		Fenarimol
		Hexaconazole
		Iprodione
		Tridemorph
		Penconazole
		Myclobutanil
		Dithianon
		Cymoxanil
		Triadimefon
		Dimethomorph

Std. Nos.	Categories	Parameters
		Propineb
		Foestyl-A1
		Difenoconazole
<b>2.3.32</b>	<b>Fruit Jelly</b>	<b>General Parameters</b>
		The product shall not be syrupy, sticky or gummy and shall be clear, sparkling and transparent.
		Visual examination
		Test for preservatives (singly or in combination)
		a. Benzoic acid, Sodium and Potassium benzoate
		b. Sulphur dioxide (as carry over from fruit)
		c. Sorbic acid and its Calcium, Sodium, Potassium Salts (Calculated as sorbic acid)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		Test for Antioxidants (BHA, TBHQ and ascorbyl palmitate)
		Test for Artificial sweeteners
		a. Aspartame
		b. Acesulphame K
		c. Saccharin Sodium
		d. Sucralose
		e. Sorbitol
		Test for Non Nutritive Sweetener
		e. Steviol Glycoside
		<b>Quality Parameters</b>
		Total Soluble solids (m/m)
		Fruit content
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Tin
		Zinc
		Cadmium
		Mercury

Std. Nos.	Categories	Parameters
		Methyl Mercury calculated as the element
		<b>Microbiological Safety</b>
		Mould Count
		Yeast and Spores
		Flat Sour Organisms
		<i>Staphylococcus aureus</i>
		<i>Salmonella</i>
		<i>Shigella</i>
		<i>Clostridium botulinum</i>
		<i>E.coli</i>
		<i>Vibrio cholerae</i>
		<i>Listeria sp</i>
		<b>Pesticides</b>
		Aldrin, dieldrin (the limits apply to aldrin and dieldrin singly or in any combination and are expressed as dieldrin)
		Chlordane (residue to be measured as cis plus trans chlordane)
		D.D.T. (The limits apply to D.D.T., D.D.D. and D.D.E. singly or in any combination)
		Dichlorvos (content of di- chloroacetaldehyde (D.C.A.) be reported where possible)
		Dicofol
		Dimethoate (residue to be determined as dimethoate and expressed as dimethoate)
		Endosulfan (residues are measured and reported as total of endosulfan A and B and endosulfan-sulphate)
		Fenitrothion
		Inorganic bromide (determined and expressed as total bromide from all sources)
		Hexachlorocycle hexane and its Isomers
		(a) Alfa ( $\alpha$ ) Isomer:
		(b) Beta ( $\beta$ ) Isomer :
		(c) Gamma ( $\gamma$ ) Isomer (Known as Lindane)
		(d) Delta ( $\delta$ ) Isomer
		Malathion (Malathion to be determined and expressed as combined residues of malathion and malaoxon)
		Parathion (Combined residues of parathion and paraoxon to be determined and expressed as parathion)

Std. Nos.	Categories	Parameters
		Parathion methyl (combined residues of parathion methyl and its oxygen analogue to be determined and expressed asparathion methyl)
		Phosphamidon residues (expressed as the sum of phosphamidon and its desethyl derivative)
		Pyrethrins (sum of pyrethrins I & II and otherstructurally related insecticide Ingredients of pyrethrum)
		Chlorobenzilate
		Chlorpyrifos
		2,4D
		Ethion (Residues to bedetermined as ethion andlts oxygen analogueand expressed as ethion)
		Formothion (Determined as dinethoate and its oxygen Analogue and expressed as dimethoate except incase of citrus fruits where it is to be determined as formothion)
		Monocrotophos
		Paraquat Dichloride (Determined as Paraquat cations)
		Phosalone
		Trichlorfon
		Thiometon (Residues determined as thiometon its sulfoxide and sulphone expressed as thiometon)
		Carbendazim
		Benomyl
		Captan
		Carbofuran (sum of carbofuran and 3-hydroxy carbofuran expressed as carbofuran)
		Copper Oxychloride (determined as copper)
		Fenthion (sum of fenthion, its oxygen analogue and their sulphoxides and sulphones expressed as fenthion)
		Dithiocarbamates (the residue tolerance limit are determined and expressed as mg/CS2/kg and refer separately to the residues arising from any or each group of dithiocarbamates)
		Phorate (sum of Phorate, its oxygen analogue and their sulphoxides and sulphones,expressed as phorate)
		Alfa Nephthyl Acetic Acid (A.N.A.)

Std. Nos.	Categories	Parameters
		Chlormequatchloride
		Dodine
		Diuron
		Ethephon
		Thiophenatemethyl
		Fenarimol
		Hexaconazole
		Iprodione
		Tridemorph
		Penconazole
		Myclobutanil
		Dithianon
		Cymoxanil
		Foestyl-A1
		Difenoconazole
		Triadimefon
		Dimethomorph
		Propineb
<b>2.3.33</b>	<b>Fruit Cheese</b>	<b>General Parameters</b>
		Fruit Cheese means the product prepared from pulp/puree of sound, ripe fruit (s), whether fresh, frozen or previously preserved or dry fruits, by cooking with salt, nutritive sweeteners to attain a thick consistency so that it sets on cooling.It shall have the flavour of the original fruit(s) and shall be free from burnt or objectionable flavours and crystallization.
		Visual examination for crystallization
		Test for preservatives (singly or in combination)
		a. Benzoic acid, Sodium and Potassium benzoate
		b. Sulphur dioxide (as carry over from fruit)
		c. Sorbic acid and its Calcium,Sodium, Potassium Salts (Calculated as sorbic acid)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		Test for Antioxidants (BHA, TBHQ and ascorbyl palmitate)
		Test for Artificial sweeteners
		a. Aspartame

Std. Nos.	Categories	Parameters
		b. Acesulphame K
		c. Saccharin Sodium
		d. Sucralose
		e. Sorbitol
		<b>Quality Parameters</b>
		Total Soluble solids (m/m)
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Tin
		Zinc
		Cadmium
		Mercury
		Methyl Mercury calculated as the element
		<b>Microbiological Safety</b>
		Mould Count
		Yeast and Spores
		Flat Sour Organisms
		<i>Staphylococcus aureus</i>
		<i>Salmonella</i>
		<i>Shigella</i>
		<i>Clostridium botulinum</i>
		<i>E.coli</i>
		<i>Vibrio cholerae</i>
		<i>Listeria sp</i>
		<b>Pesticides</b>
		Aldrin, dieldrin (the limits apply to aldrin and dieldrin singly or in any combination and are expressed as dieldrin)
		Chlordane (residue to be measured as cis plus trans chlordane)
		D.D.T. (The limits apply to D.D.T., D.D.D. and D.D.E. singly or in any combination)
		Dichlorvos (content of di- chloroacetaldehyde (D.C.A.) be reported where possible)
		Dicofol
		Dimethoate (residue to be determined as dimethoate and expressed as dimethoate)

Std. Nos.	Categories	Parameters
		Endosulfan (residues are measured and reported as total of endosulfan A and B and endosulfan-sulphate)
		Fenitrothion
		Inorganic bromide (determined and expressed as total bromide from all sources)
		Hexachlorocyclohexane and its Isomers
		(a) Alfa ( $\alpha$ ) Isomer:
		(b) Beta ( $\beta$ ) Isomer :
		(c) Gamma ( $\gamma$ ) Isomer (Known as Lindane)
		(d) Delta ( $\delta$ ) Isomer
		Malathion (Malathion to be determined and expressed as combined residues of malathion and malaoxon)
		Parathion (Combined residues of parathion and paraoxon to be determined and expressed as parathion)
		Parathion methyl (combined residues of parathion methyl and its oxygen analogue to be determined and expressed asparathion methyl)
		Phosphamidon residues (expressed as the sum of phosphamidon and its desethyl derivative)
		Pyrethrins (sum of pyrethrins I & II and otherstructurally related insecticide Ingredients of pyrethrum)
		Chlorobenzilate
		Chlorpyrifos
		2,4D
		Ethion (Residues to bedetermined as ethion andlts oxygen analogueand expressed as ethion)
		Formothion (Determined as dinethoate and its oxygen Analogue and expressed as dimethoate except incase of citrus fruits where it is to be determined as formothion)
		Monocrotophos
		Paraquat Dichloride (Determined as Paraquat cations)
		Phosalone
		Trichlorfon
		Thiometon (Residues determined as thiometon its sulfoxide and sulphone expressed as thiometon)
		Carbendazim

Std. Nos.	Categories	Parameters
		Benomyl
		Captan
		Carbofuran (sum of carbofuran and 3-hydroxy carbofuran expressed as carbofuran)
		Copper Oxychloride (determined as copper)
		Fenthion (sum of fenthion, its oxygen analogue and their sulphoxides and sulphones expressed as fenthion)
		Dithiocarbamates (the residue tolerance limit are determined and expressed as mg/CS <sub>2</sub> /kg and refer separately to the residues arising from any or each group of dithiocarbamates)
		Phorate (sum of Phorate, its oxygen analogue and their sulphoxides and sulphones, expressed as phorate)
		Alfa Nephthyl Acetic Acid (A.N.A.)
		Chlormequatchloride
		Dodine
		Diuron
		Ethephon
		Thiophenatemethyl
		Fenarimol
		Hexaconazole
		Iprodione
		Tridemorph
		Penconazole
		Myclobutanil
		Dithianon
		Cymoxanil
		Triadimefon
		Foestyl-A1
		Difenoconazole
		Dimethomorph
		Propineb
<b>2.3.34</b>	<b>Marmalade</b>	<b>General Parameters</b>
		Marmalades means a product prepared by boiling sound fruits with peel, pulp and Juice, with or without water, added nutritive sweeteners and

Std. Nos.	Categories	Parameters
		concentrating to such a consistency that gelatinisation takes place on cooling of the product.
		Visual examination for gummy and stickiness
		Test for preservatives (singly or in combination)
		a. Benzoic acid, Sodium and Potassium benzoate
		b. Sulphur dioxide (as carry over from fruit)
		c. Sorbic acid and its Calcium, Sodium, Potassium Salts (Calculated as sorbic acid)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		Test for Antioxidants (BHA, TBHQ and ascorbyl palmitate)
		Test for Artificial sweeteners
		a. Aspartame
		b. Acesulphame K
		c. Saccharin Sodium
		d. Sucralose
		e. Sorbitol
		Test for Non Nutritive Sweetener
		f. Steviol Glycoside
		<b>Quality Parameters</b>
		Filled (product) capacity of the container
		Total Soluble solids (m/m)
		Fruit content except peel (m/m)
		Peel in suspension
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Tin
		Zinc
		Cadmium
		Mercury
		Methyl Mercury calculated as the element
		<b>Naturally occurring toxic substances (for stone fruits only)</b>
		Hydrocyanic acid
		<b>Microbiological Safety</b>
		Mould Count
		Yeast and Spores

Std. Nos.	Categories	Parameters
		Flat Sour Organisms
		<i>Staphylococcus aureus</i>
		<i>Salmonella</i>
		<i>Shigella</i>
		<i>Clostridium botulinum</i>
		<i>E. coli</i>
		<i>Vibrio cholerae</i>
		<i>Listeria sp</i>
		<b>Pesticides</b>
		Aldrin, dieldrin (the limits apply to aldrin and dieldrin singly or in any combination and are expressed as dieldrin)
		Chlordane (residue to be measured as cis plus trans chlordane)
		D.D.T. (The limits apply to D.D.T., D.D.D. and D.D.E. singly or in any combination)
		Dichlorvos (content of di-chloroacetaldehyde (D.C.A.) be reported where possible)
		Dicofol
		Dimethoate (residue to be determined as dimethoate and expressed as dimethoate)
		Endosulfan (residues are measured and reported as total of endosulfan A and B and endosulfan-sulphate)
		Fenitrothion
		Inorganic bromide (determined and expressed as total bromide from all sources)
		Hexachlorocyclohexane and its Isomers
		(a) Alfa ( $\alpha$ ) Isomer:
		(b) Beta ( $\beta$ ) Isomer :
		(c) Gamma ( $\gamma$ ) Isomer (Known as Lindane)
		(d) Delta ( $\delta$ ) Isomer
		Malathion (Malathion to be determined and expressed as combined residues of malathion and malaoxon)
		Parathion (Combined residues of parathion and paraoxon to be determined and expressed as parathion)
		Parathion methyl (combined residues of parathion methyl and its oxygen analogue to be determined and expressed as parathion methyl)
		Phosphamidon residues (expressed as the sum of phosphamidon and its desethyl derivative)

Std. Nos.	Categories	Parameters
		Pyrethrins (sum of pyrethrins I & II and otherstructurally related insecticide Ingredients of pyrethrum)
		Chlorobenzilate
		Chlorpyrifos
		2,4D
		Ethion (Residues to bedetermined as ethion andlts oxygen analogueand expressed as ethion)
		Formothion (Determined as dinethoate and its oxygen Analogue and expressed as dimethoate except incase of citrus fruits where it is to be determined as formothion)
		Monocrotophos
		Paraquat Dichloride (Determined as Paraquat cations)
		Phosalone
		Trichlorfon
		Thiometon (Residues determined as thiometon its sulfoxide and sulphone expressed as thiometon)
		Carbendazim
		Benomyl
		Captan
		Carbofuran (sum of carbofuran and 3-hydroxy carbofuran expressed as carbofuran)
		Copper Oxychloride (determined as copper)
		Fenthion (sum of fenthion, its oxygen analogue and their sulphoxides and sulphones expressed as fenthion)
		Dithiocarbamates (the residue tolerance limit are determined and expressed as mg/CS2/kg and refer separately to the residues arising from any or each group of dithiocarbamates)
		Phorate (sum of Phorate, its oxygen analogue and their sulphoxides and sulphones,expressed as phorate)
		Alfa Nephthyl Acetic Acid (A.N.A.)
		Chlormequatchloride
		Dodine
		Diuron
		Ethephon

Std. Nos.	Categories	Parameters
		Thiophenatemethyl
		Fenarimol
		Hexaconazole
		Iprodione
		Tridemorph
		Penconazole
		Myclobutanil
		Dithianon
		Cymoxanil
		Fosetyl-A1
		Difenoconazole
		Triadimefon
		Dimethomorph
		Propineb
<b>2.3.35</b>	<b>Dehydrated Fruits</b>	<b>General Parameters</b>
		Dehydrated Fruits means the product, prepared from edible part of suitable variety of sound fruit from which moisture has been removed, under controlled conditions of temperature, humidity and airflow, to the extent that the product is preserved.
		Visual examination for blemishes, insect or fungal infection and extraneous matter
		Test for preservatives (singly or in combination)
		a. Benzoic acid, Sodium and Potassium benzoate
		b. Sulphur dioxide
		c. Sorbic acid and its Calcium, Sodium, Potassium Salts (Calculated as sorbic acid)
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Beta carotene, Carotene(Natural extract), Annatto extract (Bixin), Beta apo-8 carotenal, Methyl and ethyl esters of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours(Plain), Caramel colours(Ammonium Sulphite process)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		Test for Antioxidants (BHA, TBHQ and ascorbyl palmitate)
		Test for Artificial sweeteners

Std. Nos.	Categories	Parameters
		a. Aspartame
		b. Acesulphame K
		c. Saccharin Sodium
		d. Sucralose
		e. Sorbitol
		<b>Quality Parameters</b>
		Moisture content (m/m)
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Tin
		Zinc
		Cadmium
		Mercury
		Methyl Mercury calculated as the element
		<b>Naturally occurring toxic substances (for stone fruits only)</b>
		Hydrocyanic acid
		<b>Microbiological Safety</b>
		Total Plate Count
		Yeast and Mould Count
		Flat Sour Organisms
		<i>Staphylococcus aureus</i>
		<i>Salmonella</i>
		<i>Shigella</i>
		<i>Clostridium botulinum</i>
		<i>E.coli</i>
		<i>Vibrio cholerae</i>
		<i>Listeria sp</i>
		<b>Pesticides</b>
		Aldrin, dieldrin (the limits apply to aldrin and dieldrin singly or in any combination and are expressed as dieldrin)
		Chlordane (residue to be measured as cis plus trans chlordane)
		D.D.T. (The limits apply to D.D.T., D.D.D. and D.D.E. singly or in any combination)

Std. Nos.	Categories	Parameters
		Dichlorvos (content of di- chloroacetaldehyde (D.C.A.) be reported where possible)
		Dicofol
		Dimethoate (residue to be determined as dimethoate and expressed as dimethoate)
		Endosulfan (residues are measured and reported as total of endosulfan A and B and endosulfan-sulphate
		Fenitrothion
		Inorganic bromide (determined and expressed as total bromide from all sources)
		Hexachlorocyclohexane and its Isomers
		(a) Alfa ( $\alpha$ ) Isomer:
		(b) Beta ( $\beta$ ) Isomer :
		(c) Gamma ( $\gamma$ ) Isomer (Known as Lindane)
		(d) Delta ( $\delta$ ) Isomer
		Malathion (Malathion to be determined and expressed as combined residues of malathion and malaoxon)
		Parathion (Combined residues of parathion and paraoxon to be determined and expressed as parathion)
		Parathion methyl (combined residues of parathion methyl and its oxygen analogue to be determined and expressed as parathion methyl)
		Phosphamidon residues (expressed as the sum of phosphamidon and its desethyl derivative)
		Pyrethrins (sum of pyrethrins I & II and other structurally related insecticide ingredients of pyrethrum)
		Chlorobenzilate
		Chlorpyrifos
		2,4D
		Ethion (Residues to be determined as ethion and its oxygen analogue and expressed as ethion)
		Formothion (Determined as dimethoate and its oxygen Analogue and expressed as dimethoate except in case of citrus fruits where it is to be determined as formothion)
		Monocrotophos
		Paraquat Dichloride (Determined as Paraquat cations)
		Phosalone
		Trichlorfon
		Thiometon (Residues determined as thiometon its sulfoxide and sulphone expressed as thiometon)

Std. Nos.	Categories	Parameters
		Carbendazim
		Benomyl
		Captan
		Carbofuran (sum of carbofuran and 3-hydroxy carbofuran expressed as carbofuran)
		Copper Oxychloride (determined as copper)
		Fenthion (sum of fenthion, its oxygen analogue and their sulphoxides and sulphones expressed as fenthion)
		Dithiocarbamates (the residue tolerance limit are determined and expressed as mg/CS <sub>2</sub> /kg and refer separately to the residues arising from any or each group of dithiocarbamates)
		Phorate (sum of Phorate, its oxygen analogue and their sulphoxides and sulphones, expressed as phorate)
		Alfa Nephthyl Acetic Acid (A.N.A.)
		Chlormequatchloride
		Dodine
		Diuron
		Ethephon
		Thiophenatemethyl
		Fenarimol
		Hexaconazole
		Iprodione
		Tridemorph
		Penconazole
		Myclobutanil
		Dithianon
		Cymoxanil
		Triadimefon
		Fosetyl-A1
		Difenoconazole
		Dimethomorph
		Propineb
<b>2.3.36</b>	<b>Dehydrated</b>	<b>General Parameters</b>

Std. Nos.	Categories	Parameters
	<b>Vegetables</b>	
		Dehydrated Vegetables means the product, prepared from edible portions of suitable variety of sound vegetable from which moisture has been removed under controlled conditions of temperature, humidity & airflow, to the extent that the product is preserved.
		Visual examination for blemishes, insect or fungal infection, stalks, peel, stems and extraneous matter
		Test for preservatives (singly or in combination)
		a. Benzoic acid, Sodium and Potassium benzoate
		b. Sulphur dioxide
		c. Sorbic acid and its Calcium, Sodium, Potassium Salts (Calculated as sorbic acid)
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Beta carotene, Carotene (Natural extract), Annatto extract (Bixin), Beta apo-8 carotenal, Methyl and ethyl esters of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours (Plain), Caramel colours (Ammonium Sulphite process)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF)
		Test for Antioxidants (BHA, TBHQ and ascorbyl palmitate)
		Test for Artificial sweeteners
		a. Aspartame
		b. Acesulphame K
		c. Saccharin Sodium
		d. Sucralose
		e. Sorbitol
		<b>Quality Parameters</b>
		<b>1. Green Leafy Vegetables</b>
		Moisture
		Peroxidase Test
		<b>2.(a) Tubers like Arvi</b>
		Moisture
		Peroxidase Test
		<b>(b) Lotus Root Tapoica</b>
		Moisture
		Peroxidase Test
		<b>(c) Yam</b>
		Moisture
		Peroxidase Test
		<b>(d) Carrot</b>

Std. Nos.	Categories	Parameters
		Moisture
		Peroxidase Test
		<b>(e) Potato</b>
		Moisture
		Peroxidase Test
		<b>3. Karela</b>
		Moisture
		Peroxidase Test
		<b>4. Cabbage</b>
		Moisture
		Peroxidase Test
		<b>5. Okra</b>
		Moisture
		Peroxidase Test
		<b>6. Other Vegetables</b>
		Moisture
		Total Ash not more than(%)
		Ash insoluble dilute HCl not more than(%)
		Peroxidase Test
		<b>7. Powder of Onion and Garlic</b>
		Moisture
		Total Ash not more than(%)
		Ash insoluble dilute HCl not more than(%)
		Peroxidase Test
		<b>8. Powder of other vegetables including tomatoes</b>
		Moisture
		Total Ash
		Ash insoluble dilute HCl
		Peroxidase Test
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Tin
		Zinc
		Cadmium
		Mercury
		Methyl Mercury calculated as the element
		<b>Microbiological Safety</b>
		Total Plate Count

Std. Nos.	Categories	Parameters
		Yeast and Mould Count
		Flat Sour Organisms
		<i>Staphylococcus aureus</i>
		<i>Salmonella</i>
		<i>Shigella</i>
		<i>Clostridium botulinum</i>
		<i>E.coli</i>
		<i>Vibrio cholerae</i>
		<i>Listeria sp</i>
		<b>Pesticides</b>
		Aldrin, dieldrin (the limits apply to aldrin and dieldrin singly or in any combination and are expressed as dieldrin)
		Carbaryl
		a. Okra and leafy vegetables
		b. All other vegetables
		Chlordane (residue to be measured as cis plus trans chlordane)
		D.D.T. (The limits apply to D.D.T., D.D.D. and D.D.E. singly or in any combination)
		Dichlorvos (content of di-chloroacetaldehyde (D.C.A.) be reported where possible)
		Diazinon
		Dicofol
		Dimethoate (residue to be determined as dimethoate and expressed as dimethoate)
		Endosulfan (residues are measured and reported as total of endosulfan A and B and endosulfan-sulphate)
		Fenitrothion
		Heptachlor (combined residues of heptachlor and its epoxide to be determined and expressed as Heptachlor)
		Hexachlorocyclohexane and its Isomers
		(a) Alfa ( $\alpha$ ) Isomer:
		(b) Beta ( $\beta$ ) Isomer :
		(c) Gamma ( $\gamma$ ) Isomer (Known as Lindane)
		(d) Delta ( $\delta$ ) Isomer
		Malathion (Malathion to be determined and expressed as combined residues of malathion and malaoxon)

Std. Nos.	Categories	Parameters
		Parathion (Combined residues of parathion and paraoxon to be determined and expressed as parathion)
		Parathion methyl (combined residues of parathion methyl and its oxygen analogue to be determined and expressed asparathion methyl)
		Phosphamidon residues (expressed as the sum of phosphamidon and its desethyl derivative)
		Pyrethrins (sum of pyrethrins I & II and otherstructurally related insecticide Ingredients of pyrethrum)
		Chlorienvinphos(Residues to be measured as alpha and beta isomers of Chlorienvinphos)
		Chlorpyrifos
		Ethion (Residues to be determined as ethion and its oxygen analogue and expressed as ethion)
		Formothion (Determined as dimethoate and its oxygen Analogue and expressed as dimethoate except in case of citrus fruits where it is to be determined as formothion)
		Monocrotophos
		Paraquat Dichloride (Determined as Paraquat cations)
		Phosalone
		Trichlorfon
		Thiometon (Residues determined as thiometon its sulfoxide and sulphone expressed as thiometon)
		Carbendazim
		Benomyl
		Captan
		Carbofuran (sum of carbofuran and 3-hydroxy carbofuran expressed as carbofuran)
		Copper Oxychloride (determined as copper)
		Fenthion (sum of fenthion, its oxygen analogue and their sulphoxides and sulphones expressed as fenthion)
		Fenvalerate (fat soluble residue)
		Dithiocarbamates (the residue tolerance limit are determined and expressed as mg/CS <sub>2</sub> /kg and refer separately to the residues arising from any or each group of dithiocarbamates)
		Phorate (sum of Phorate, its oxygen analogue and their sulphoxides and sulphones, expressed as phorate)

Std. Nos.	Categories	Parameters
		Captafol
		Ethephon
		Permethrin
		Iprodione
		Spinosad
		Triadimefon
		Metiram
		Lufenuron
		Novoluron
<b>2.3.37</b>	<b>Frozen Fruits/fruit products</b>	<b>General Parameters</b>
		Frozen Fruits/Fruit Products means the product frozen in blocks or individually quick frozen and offered for direct consumption, if required. Frozen Fruits/Fruit products are prepared from fresh, clean, sound, whole, fruits of suitable maturity which are washed, sufficiently blanched to inactivate enzymes.
		Visual examination for blemishes, insect or fungal infection and extraneous matter
		Test for preservatives (singly or in combination)
		a. Benzoic acid, Sodium and Potassium benzoate
		b. Sulphur dioxide
		c. Sorbic acid and its Calcium, Sodium, Potassium Salts (Calculated as sorbic acid)
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Beta carotene, Carotene (Natural extract), Annatto extract (Bixin), Beta apo-8 carotenal, Methyl and ethyl esters of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours (Plain), Caramel colours (Ammonium Sulphite process))
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF)
		Test for Antioxidants (BHA, TBHQ and ascorbyl palmitate)
		Test for Artificial sweeteners
		a. Aspartame
		b. Acesulphame K
		c. Saccharin Sodium
		d. Sucralose
		e. Sorbitol
		<b>Quality Parameters</b>
		Nil
		<b>Metal Contaminants</b>

Std. Nos.	Categories	Parameters
		Lead
		Copper
		Arsenic
		Tin
		Zinc
		Cadmium
		Mercury
		Methyl Mercury calculated as the element
		<b>Naturally occurring toxic substances (for stone fruits only)</b>
		Hydrocyanic acid
		<b>Microbiological Safety</b>
		Total Plate Count
		Yeast and Mould Count
		Flat Sour Organisms
		<i>Staphylococcus aureus</i>
		<i>Salmonella</i>
		<i>Shigella</i>
		<i>Clostridium botulinum</i>
		<i>E.coli</i>
		<i>Vibrio cholerae</i>
		<i>Listeria sp</i>
		<b>Pesticides</b>
		Aldrin, dieldrin (the limits apply to aldrin and dieldrin singly or in any combination and are expressed as dieldrin)
		Chlordane (residue to be measured as cis plus trans chlordane)
		D.D.T. (The limits apply to D.D.T., D.D.D. and D.D.E. singly or in any combination)
		Dichlorvos (content of di- chloroacetaldehyde (D.C.A.) be reported where possible)
		Dicofol
		Dimethoate (residue to be determined as dimethoate and expressed as dimethoate)
		Endosulfan (residues are measured and reported as total of endosulfan A and B and endosulfan-sulphate)
		Fenitrothion

Std. Nos.	Categories	Parameters
		Inorganic bromide (determined and expressed as total bromide from all sources)
		Hexachlorocyclohexane and its Isomers
		(a) Alfa ( $\alpha$ ) Isomer:
		(b) Beta ( $\beta$ ) Isomer :
		(c) Gamma ( $\gamma$ ) Isomer (Known as Lindane)
		(d) Delta ( $\delta$ ) Isomer
		Malathion (Malathion to be determined and expressed as combined residues of malathion and malaoxon)
		Parathion (Combined residues of parathion and paraoxon to be determined and expressed as parathion)
		Parathion methyl (combined residues of parathion methyl and its oxygen analogue to be determined and expressed as parathion methyl)
		Phosphamidon residues (expressed as the sum of phosphamidon and its desethyl derivative)
		Pyrethrins (sum of pyrethrins I & II and other structurally related insecticide ingredients of pyrethrum)
		Chlorobenzilate
		Chlorpyrifos
		2,4D
		Ethion (Residues to be determined as ethion and its oxygen analogue and expressed as ethion)
		Formothion (Determined as dimethoate and its oxygen analogue and expressed as dimethoate except in case of citrus fruits where it is to be determined as formothion)
		Monocrotophos
		Paraquat Dichloride (Determined as Paraquat cations)
		Phosalone
		Trichlorfon
		Thiometon (Residues determined as thiometon its sulfoxide and sulphone expressed as thiometon)
		Carbendazim
		Benomyl
		Captan

Std. Nos.	Categories	Parameters
		Carbofuran (sum of carbofuran and 3-hydroxy carbofuran expressed as carbofuran)
		Copper Oxychloride (determined as copper)
		Fenthion (sum of fenthion, its oxygen analogue and their sulphoxides and sulphones expressed as fenthion)
		Dithiocarbamates (the residue tolerance limit are determined and expressed as mg/CS2/kg and refer separately to the residues arising from any or each group of dithiocarbamates)
		Phorate (sum of Phorate, its oxygen analogue and their sulphoxides and sulphones, expressed as phorate)
		Alfa Nephthyl Acetic Acid (A.N.A.)
		Chlormequatchloride
		Dodine
		Diuron
		Ethephon
		Thiophenatemethyl
		Fenarimol
		Hexaconazole
		Iprodione
		Tridemorph
		Penconazole
		Myclobutanil
		Dithianon
		Cymoxanil
		Triadimefon
		Fosetyl-A1
		Difenoconazole
		Dimethomorph
		Propineb
<b>2.3.38</b>	<b>Frozen Vegetables</b>	<b>General Parameters</b>
		Frozen Vegetables means the product frozen in blocks or individually quick frozen and offered for direct consumption, if required. Frozen vegetables are prepared from sound, clean vegetables of suitable maturity which are washed, sufficiently blanched to inactivate enzymes and are subjected to a freezing process in appropriate equipment.

Std. Nos.	Categories	Parameters
		Visual examination for sand, grit ,insect or fungal infection and extraneous matter
		Test for preservatives (singly or in combination)
		a. Benzoic acid, Sodium and Potassium benzoate
		b. Sulphur dioxide
		c. Sorbic acid and its Calcium,Sodium, Potassium Salts (Calculated as sorbic acid)
		Test for added Natural colours (Curcumin, Riboflavin,Chlorophyll, Beta carotene, Carotene(Natural extract),Annatto extract (Bixin), Beta apo-8 carotenal, Methyl and ethyl esters of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours(Plain), Caramel colours(Ammonium Sulphite process)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		Test for Antioxidants (BHA, TBHQ and ascorbyl palmitate)
		Test for Artificial sweeteners
		a. Aspartame
		b. Acesulphame K
		c. Saccharin Sodium
		d. Sucralose
		e. Sorbitol
		<b>Quality Parameters</b>
		Peroxidase test
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Tin
		Zinc
		Cadmium
		Mercury
		Methyl Mercury calculated as the element
		<b>Microbiological Safety</b>
		Total Plate Count
		Yeast and Mould Count
		Flat Sour Organisms
		<i>Staphylococcus aureus</i>

Std. Nos.	Categories	Parameters
		<i>Salmonella</i>
		<i>Shigella</i>
		<i>Clostridium botulinum</i>
		<i>E. coli</i>
		<i>Vibrio cholerae</i>
		<i>Listeria sp</i>
		<b>Pesticides</b>
		Aldrin, dieldrin (the limits apply to aldrin and dieldrin singly or in any combination and are expressed as dieldrin)
		Carbaryl
		a. Okra and leafy vegetables
		b. All other vegetables
		Chlordane (residue to be measured as cis plus trans chlordane)
		D.D.T. (The limits apply to D.D.T., D.D.D. and D.D.E. singly or in any combination)
		Diazinon
		Dichlorvos (content of di- chloroacetaldehyde (D.C.A.) be reported where possible)
		Dicofol
		Dimethoate (residue to be determined as dimethoate and expressed as dimethoate)
		Endosulfan (residues are measured and reported as total of endosulfan A and B and endosulfan-sulphate)
		Fenitrothion
		Heptachlor (combined residues of heptachlor and its epoxide to be determined and expressed as Heptachlor)
		Hexachlorocyclohexane and its Isomers
		(a) Alfa ( $\alpha$ ) Isomer:
		(b) Beta ( $\beta$ ) Isomer :
		(c) Gamma ( $\gamma$ ) Isomer (Known as Lindane)
		(d) Delta ( $\delta$ ) Isomer
		Malathion (Malathion to be determined and expressed as combined residues of malathion and malaoxon)
		Parathion (Combined residues of parathion and paraoxon to be determined and expressed as parathion)
		Parathion methyl (combined residues of parathion methyl and its oxygen analogue to be determined and expressed asparathion methyl)
		Phosphamidon residues (expressed as the sum of phosphamidon and its desethyl derivative)

Std. Nos.	Categories	Parameters
		Pyrethrins (sum of pyrethrins I & II and otherstructurally related insecticide Ingredients of pyrethrum)
		Chlorienvinphos(Residues to be measured as alpha and beta isomers of Chlorienvinphos)
		Chlorpyrifos
		Ethion (Residues to bedetermined as ethion andlts oxygen analogueand expressed as ethion)
		Formothion (Determined as dinethoate and its oxygen Analogue and expressed as dimethoate except incase of citrus fruits where it is to be determined as formothion)
		Monocrotophos
		Paraquat Dichloride (Determined as Paraquat cations)
		Phosalone
		Trichlorfon
		Thiometon (Residues determined as thiometon its sulfoxide and sulphone expressed as thiometon)
		Carbendazim
		Benomyl
		Captan
		Carbofuran (sum of carbofuran and 3-hydroxy carbofuran expressed as carbofuran)
		Copper Oxychloride (determined as copper)
		Fenthion (sum of fenthion, its oxygen analogue and their sulphoxides and sulphones expressed as fenthion)
		Fenvalerate (fat soluble residue)
		Dithiocarbamates (the residue tolerance limit are determined and expressed as mg/CS2/kg and refer separately to the residues arising from any or each group of dithiocarbamates)
		Phorate (sum of Phorate, its oxygen analogue and their sulphoxides and sulphones,expressed as phorate)
		Captafol
		Ethephon
		Permethrin
		Iprodione
		Spinosad
		Triadimefon
		Metiram
		Lufenuron

Std. Nos.	Categories	Parameters
		Novoluron
2.3.39	Frozen Curried Vegetables/ready-to-eat vegetables	<b>General Parameters</b>
		Frozen Curried Vegetables/Ready-to-Eat Vegetables means the product prepared from Fresh, Dehydrated or Frozen or previously processed vegetables, legumes, cereals or pulses, whether whole or cut into pieces.
		Visual examination for sand, grit , insect or fungal infection and extraneous matter
		Test for preservatives (singly or in combination)
		a. Benzoic acid, Sodium and Potassium benzoate
		b. Sulphur dioxide
		c. Sorbic acid and its Calcium,Sodium, Potassium Salts (Calculated as sorbic acid)
		Test for added Natural colours (Curcumin, Riboflavin,Chlorophyll, Beta carotene, Carotene(Natural extract),Annatto extract (Bixin), Beta apo-8 carotenal, Methyl and ethyl esters of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours(Plain), Caramel colours(Ammonium Sulphite process)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		Test for Antioxidants (BHA, TBHQ and ascorbyl palmitate) singly
		Test for Artificial sweeteners
		a. Aspartame
		b. Acesulphame K
		c. Saccharin Sodium
		d. Sucralose
		e. Sorbitol
		<b>Quality Parameters</b>
		Peroxidase test
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Tin
		Zinc
		Cadmium
		Mercury
		Methyl Mercury calculated as the element

Std. Nos.	Categories	Parameters
		<b>Microbiological Safety</b>
		Total Plate Count
		Yeast and Mould Count
		Flat Sour Organisms
		<i>Staphylococcus aureus</i>
		<i>Salmonella</i>
		<i>Shigella</i>
		<i>Clostridium botulinum</i>
		<i>E.coli</i>
		<i>Vibrio cholerae</i>
		<i>Listeria spp</i>
		<b>Pesticides</b>
		Aldrin, dieldrin (the limits apply to aldrin and dieldrin singly or in any combination and are expressed as dieldrin)
		Carbaryl
		a. Okra and leafy vegetables
		b. All other vegetables
		Chlordane (residue to be measured as cis plus trans chlordane)
		D.D.T. (The limits apply to D.D.T., D.D.D. and D.D.E. singly or in any combination)
		Diazinon
		Dichlorvos (content of di- chloroacetaldehyde (D.C.A.) be reported where possible)
		Dicofol
		Dimethoate (residue to be determined as dimethoate and expressed as dimethoate)
		Endosulfan (residues are measured and reported as total of endosulfan A and B and endosulfan-sulphate)
		Fenitrothion
		Heptachlor (combined residues of heptachlor and its epoxide to be determined and expressed as Heptachlor)
		Hexachlorocyclohexane and its Isomers
		(a) Alfa ( $\alpha$ ) Isomer:
		(b) Beta ( $\beta$ ) Isomer :
		(c) Gamma ( $\gamma$ ) Isomer (Known as Lindane)

Std. Nos.	Categories	Parameters
		(d) Delta ( $\delta$ ) Isomer
		Malathion (Malathion to be determined and expressed as combined residues of malathion and malaoxon)
		Parathion (Combined residues of parathion and paraoxon to be determined and expressed as parathion)
		Parathion methyl (combined residues of parathion methyl and its oxygen analogue to be determined and expressed asparathion methyl)
		Phosphamidon residues (expressed as the sum of phosphamidon and its desethyl derivative)
		Pyrethrins (sum of pyrethrins I & II and otherstructurally related insecticide Ingredients of pyrethrum)
		Chlorienvinphos(Residues to be measured as alpha and beta isomers of Chlorienvinphos)
		Chlorpyrifos
		Ethion (Residues to bedetermined as ethion andlts oxygen analogueand expressed as ethion)
		Formothion (Determined as dinethoate and its oxygen Analogue and expressed as dimethoate except incase of citrus fruits where it is to be determined as formothion)
		Monocrotophos
		Paraquat Dichloride (Determined as Paraquat cations)
		Phosalone
		Trichlorfon
		Thiometon (Residues determined as thiometon its sulfoxide and sulphone expressed as thiometon)
		Carbendazim
		Benomyl
		Captan
		Carbofuran (sum of carbofuran and 3-hydroxy carbofuran expressed as carbofuran)
		Copper Oxychloride (determined as copper)
		Fenthion (sum of fenthion, its oxygen analogue and their sulphoxides and sulphones expressed as fenthion)
		Fenvalerate (fat soluble residue)
		Dithiocarbamates (the residue tolerance limit are determined and expressed as mg/CS <sub>2</sub> /kg and refer separately to the residues arising from any or each group of dithiocarbamates)

Std. Nos.	Categories	Parameters
		Phorate (sum of Phorate, its oxygen analogue and their sulphoxides and sulphones, expressed as phorate)
		Captafol
		Ethephon
		Permethrin
		Iprodione
		Spinosad
		Triadimefon
		Metiram
		Lufenuron
		Novoluron
<b>2.3.40</b>	<b>Fruit Based Beverages Mix/Powdered Fruit Based Beverages</b>	<b>General Parameters</b>
		Fruit Based Beverage Mix/Powdered Fruit Based Beverage means a product, in powder form, intended for use after dilution, obtained by blending fruit solids with nutritive sweeteners and other ingredients appropriate to the product.
		Visual examination for insect or fungal infection and extraneous matter
		Test for preservatives (singly or in combination)
		a. Benzoic acid, Sodium and Potassium benzoate
		b. Sulphur dioxide
		c. Sorbic acid and its Calcium, Sodium, Potassium Salts (Calculated as sorbic acid)
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Beta carotene, Carotene (Natural extract), Annatto extract (Bixin), Beta apo-8 carotenal, Methyl and ethyl esters of Beta apo-8 carotenoic acid, Canthaxanthin
		Caramel
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF)
		Test for Antioxidants (BHA, TBHQ)
		Test for Artificial sweeteners
		a. Aspartame
		b. Acesulphame K
		c. Saccharin Sodium
		d. Sucralose

Std. Nos.	Categories	Parameters
		e. Sorbitol
		Test for Non Nutritive Sweetener
		g. Steviol Glycoside
		<b>Quality Parameters</b>
		Moisture (m/m)
		Fruit juice content (m/m) when reconstituted by dilution according to direction for use
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Tin
		Zinc
		Cadmium
		Mercury
		Methyl Mercury calculated as the element
		<b>Naturally occurring toxic substances</b>
		Saffrole
		<b>Microbiological Safety</b>
		Yeast and Mould Count
		Flat Sour Organisms
		<i>Staphylococcus aureus</i>
		<i>Salmonella</i>
		<i>Shigella</i>
		<i>Clostridium botulinum</i>
		<i>E. coli</i>
		<i>Vibrio cholerae</i>
		<i>Listeria sp</i>
		<b>Pesticides</b>
		Aldrin, dieldrin (the limits apply to aldrin and dieldrin singly or in any combination and are expressed as dieldrin)
		Chlordane (residue to be measured as cis plus trans chlordane)
		D.D.T. (The limits apply to D.D.T., D.D.D. and D.D.E. singly or in any combination)
		Dichlorvos (content of di- chloroacetaldehyde (D.C.A.) be reported where possible)

Std. Nos.	Categories	Parameters
		Dicofol
		Dimethoate (residue to be determined as dimethoate and expressed as dimethoate)
		Endosulfan (residues are measured and reported as total of endosulfan A and B and endosulfan-sulphate)
		Fenitrothion
		Inorganic bromide (determined and expressed as total bromide from all sources)
		Hexachlorocyclohexane and its Isomers
		(a) Alfa ( $\alpha$ ) Isomer:
		(b) Beta ( $\beta$ ) Isomer :
		(c) Gamma ( $\gamma$ ) Isomer (Known as Lindane)
		(d) Delta ( $\delta$ ) Isomer
		Malathion (Malathion to be determined and expressed as combined residues of malathion and malaoxon)
		Parathion (Combined residues of parathion and paraoxon to be determined and expressed as parathion)
		Parathion methyl (combined residues of parathion methyl and its oxygen analogue to be determined and expressed as parathion methyl)
		Phosphamidon residues (expressed as the sum of phosphamidon and its desethyl derivative)
		Pyrethrins (sum of pyrethrins I & II and other structurally related insecticide ingredients of pyrethrum)
		Chlorobenzilate
		Chlorpyrifos
		2,4D
		Ethion (Residues to be determined as ethion and its oxygen analogue and expressed as ethion)
		Formothion (Determined as dimethoate and its oxygen Analogue and expressed as dimethoate except in case of citrus fruits where it is to be determined as formothion)
		Monocrotophos
		Paraquat Dichloride (Determined as Paraquat cations)
		Phosalone
		Trichlorfon
		Thiometon (Residues determined as thiometon its sulfoxide and sulphone expressed as thiometon)

Std. Nos.	Categories	Parameters
		Carbendazim
		Benomyl
		Captan
		Carbofuran (sum of carbofuran and 3-hydroxy carbofuran expressed as carbofuran)
		Copper Oxychloride (determined as copper)
		Fenthion (sum of fenthion, its oxygen analogue and their sulphoxides and sulphones expressed as fenthion)
		Dithiocarbamates (the residue tolerance limit are determined and expressed as mg/CS <sub>2</sub> /kg and refer separately to the residues arising from any or each group of dithiocarbamates)
		Phorate (sum of Phorate, its oxygen analogue and their sulphoxides and sulphones, expressed as phorate)
		Alfa Nephthyl Acetic Acid (A.N.A.)
		Chlormequatchloride
		Dodine
		Diuron
		Ethephon
		Thiophenatemethyl
		Fenarimol
		Hexaconazole
		Iprodione
		Tridemorph
		Penconazole
		Myclobutanil
		Dithianon
		Cymoxanil
		Fosetyl-A1
		Difenoconazole
		Triadimefon
		Dimethomorph
		Propineb
<b>2.3.41</b>	<b>Fruits and</b>	<b>General Parameters</b>

Std. Nos.	Categories	Parameters
	vegetable chutney	
		Fruits and Vegetable Chutney means the product prepared from washed, clean, sound raw fruit(s) and / or vegetable(s) of any suitable variety, which have been peeled, sliced or chopped or shredded or comminuted and cooked with nutritive sweetener. It may contain salt, spices and condiments and any other ingredients suitable to the product.
		Visual examination for insect or fungal infection and extraneous matter
		Test for preservatives (singly or in combination)
		a. Benzoic acid, Sodium and Potassium benzoate
		b. Sulphur dioxide
		c. Sorbic acid and its Calcium, Sodium, Potassium Salts (Calculated as sorbic acid)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		Test for Antioxidants (BHA, TBHQ, ascorbyl palmitate )
		Test for Artificial sweeteners
		a. Aspartame
		b. Acesulphame K
		c. Saccharin Sodium
		d. Sucralose
		e. Sorbitol
		<b>Quality Parameters</b>
		Filled (product) capacity of the container (Not applicable for bulk packs for industrial use)
		Total soluble solids (m/m)
		(a) Fruit Chutney
		(b) Vegetable Chutney
		(c) Hot and Sour (Spicy Chutney)
		Fruits and Vegetable content (m/m)
		pH
		Total ash (m/m)
		Ash insoluble in hydrochloric acid (m/m)
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Tin
		Zinc
		Cadmium

Std. Nos.	Categories	Parameters
		Mercury
		Methyl Mercury calculated as the element
		<b>Microbiological Safety</b>
		Mould Count
		Yeast and Spores
		Flat Sour Organisms
		<i>Staphylococcus aureus</i>
		<i>Salmonella</i>
		<i>Shigella</i>
		<i>Clostridium botulinum</i>
		<i>E.coli</i>
		<i>Vibrio cholerae</i>
		<i>Listeria sp</i>
		<b>Pesticides</b>
		<b>For Fruit Chutney</b>
		Aldrin, dieldrin (the limits apply to aldrin and dieldrin singly or in any combination and are expressed as dieldrin)
		Chlordane (residue to be measured as cis plus trans chlordane)
		D.D.T. (The limits apply to D.D.T., D.D.D. and D.D.E. singly or in any combination)
		Dichlorvos (content of di- chloroacetaldehyde (D.C.A.) be reported where possible)
		Dicofol
		Dimethoate (residue to be determined as dimethoate and expressed as dimethoate)
		Endosulfan (residues are measured and reported as total of endosulfan A and B and endosulfan-sulphate)
		Fenitrothion
		Inorganic bromide (determined and expressed as total bromide from all sources)
		Hexachlorocyclohexane and its Isomers
		(a) Alfa ( $\alpha$ ) Isomer:
		(b) Beta ( $\beta$ ) Isomer :
		(c) Gamma ( $\gamma$ ) Isomer (Known as Lindane)
		(d) Delta ( $\delta$ ) Isomer
		Malathion (Malathion to be determined and expressed as combined residues of malathion and malaoxon)

Std. Nos.	Categories	Parameters
		Parathion (Combined residues of parathion and paraoxon to be determined and expressed as parathion)
		Parathion methyl (combined residues of parathion methyl and its oxygen analogue to be determined and expressed asparathion methyl)
		Phosphamidon residues (expressed as the sum of phosphamidon and its desethyl derivative)
		Pyrethrins (sum of pyrethrins I & II and otherstructurally related insecticide Ingredients of pyrethrum)
		Chlorobenzilate
		Chlorpyrifos
		2,4D
		Ethion (Residues to bedetermined as ethion andlts oxygen analogueand expressed as ethion)
		Formothion (Determined as dinethoate and its oxygen Analogue and expressed as dimethoate except incase of citrus fruits where it is to be determined as formothion)
		Monocrotophos
		Paraquat Dichloride (Determined as Paraquat cations)
		Phosalone
		Trichlorfon
		Thiometon (Residues determined as thiometon its sulfoxide and sulphone expressed as thiometon)
		Carbendazim
		Benomyl
		Captan
		Carbofuran (sum of carbofuran and 3-hydroxy carbofuran expressed as carbofuran)
		Copper Oxychloride (determined as copper)
		Fenthion (sum of fenthion, its oxygen analogue and their sulphoxides and sulphones expressed as fenthion)
		Dithiocarbamates (the residue tolerance limit are determined and expressed as mg/CS2/kg and refer separately to the residues arising from any or each group of dithiocarbamates)
		Phorate (sum of Phorate, its oxygen analogue and their sulphoxides and sulphones,expressed as phorate)

Std. Nos.	Categories	Parameters
		Alfa Nephthyl Acetic Acid (A.N.A.)
		Chlormequatchloride
		Dodine
		Diuron
		Ethephon
		Thiophenatemethyl
		Fenarimol
		Hexaconazole
		Iprodione
		Tridemorph
		Penconazole
		Myclobutanil
		Dithianon
		Cymoxanil
		Triadimefon
		Fosetyl-A1
		Difenoconazole
		Dimethomorph
		Propineb
		<b>For Vegetable Chutney</b>
		Aldrin, dieldrin (the limits apply to aldrin and dieldrin singly or in any combination and are expressed as dieldrin)
		Carbaryl
		a. Okra and leafy vegetables
		b. All other vegetables
		Chlordane (residue to be measured as cis plus trans chlordane)
		D.D.T. (The limits apply to D.D.T., D.D.D. and D.D.E. singly or in any combination)
		Diazinon
		Dichlorvos (content of di- chloroacetaldehyde (D.C.A.) be reported where possible)
		Dicofol
		Dimethoate (residue to be determined as dimethoate and expressed as dimethoate)
		Endosulfan (residues are measured and reported as total of endosulfan A and B and endosulfan-sulphate)

Std. Nos.	Categories	Parameters
		Fenitrothion
		Heptachlor (combined residues of heptachlor and its epoxide to be determined and expressed as Heptachlor)
		Hexachlorocyclohexane and its Isomers
		(a) Alfa ( $\alpha$ ) Isomer:
		(b) Beta ( $\beta$ ) Isomer :
		(c) Gamma ( $\gamma$ ) Isomer (Known as Lindane)
		(d) Delta ( $\delta$ ) Isomer
		Malathion (Malathion to be determined and expressed as combined residues of malathion and malaoxon)
		Parathion (Combined residues of parathion and paraoxon to be determined and expressed as parathion)
		Parathion methyl (combined residues of parathion methyl and its oxygen analogue to be determined and expressed asparathion methyl)
		Phosphamidon residues (expressed as the sum of phosphamidon and its desethyl derivative)
		Pyrethrins (sum of pyrethrins I & II and otherstructurally related insecticide Ingredients of pyrethrum)
		Chlorienvinphos(Residues to be measured as alpha and beta isomers of Chlorienvinphos)
		Chlorpyrifos
		Ethion (Residues to bedetermined as ethion andlts oxygen analogueand expressed as ethion)
		Formothion (Determined as dinethoate and its oxygen Analogue and expressed as dimethoate except incase of citrus fruits where it is to be determined as formothion)
		Monocrotophos
		Paraquat Dichloride (Determined as Paraquat cations)
		Phosalone
		Trichlorfon
		Thiometon (Residues determined as thiometon its sulfoxide and sulphone expressed as thiometon)
		Carbendazim
		Benomyl
		Captan
		Carbofuran (sum of carbofuran and 3-hydroxy carbofuran expressed as carbofuran)
		Copper Oxychloride (determined as copper)

Std. Nos.	Categories	Parameters
		Fenthion (sum of fenthion, its oxygen analogue and their sulphoxides and sulphones expressed as fenthion)
		Fenvalerate (fat soluble residue)
		Dithiocarbamates (the residue tolerance limit are determined and expressed as mg/CS <sub>2</sub> /kg and refer separately to the residues arising from any or each group of dithiocarbamates)
		Phorate (sum of Phorate, its oxygen analogue and their sulphoxides and sulphones, expressed as phorate)
		Captafol
		Ethephon
		Permethrin
		Iprodione
		Spinosad
		Triadimefon
		Metiram
		Linuron
		Chlorfenopyr
		Indoxacarb
		Lufenuron
		Novoluron
<b>2.3.42</b>	<b>Mango chutney</b>	<b>General Parameters</b>
		Mango Chutney means the product prepared from washed clean sound mango ( <i>Mangifera indica</i> L.) of any suitable variety, which have been peeled, sliced or chopped or shredded or comminuted and cooked with nutritive sweeteners.
		Visual examination for insect or fungal infection and extraneous matter
		Test for preservatives (singly or in combination)
		a. Benzoic acid, Sodium and Potassium benzoate
		b. Sulphur dioxide
		c. Sorbic acid and its Calcium, Sodium, Potassium Salts (Calculated as sorbic acid)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		Test for mineral acid
		Test fr Alum

Std. Nos.	Categories	Parameters
		Test for Antioxidants (BHA, TBHQ, ascorbyl palmitate )
		Test for Artificial sweeteners
		a. Aspartame
		b. Acesulphame K
		c. Saccharin Sodium
		d. Sucralose
		e. Sorbitol
		<b>Quality Parameters</b>
		Filled (product) capacity of the container (Not applicable for bulk packs for industria use)
		Total soluble solids (m/m)
		Fruit content (m/m)
		pH
		Total ash (m/m)
		Ash insoluble in hydrochloric acid (m/m)
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Tin
		Zinc
		Cadmium
		Mercury
		Methyl Mercury calculated as the element
		<b>Microbiological Safety</b>
		Mould Count
		Yeast and Spores
		Flat Sour Organisms
		<i>Staphylococcus aureus</i>
		<i>Salmonella</i>
		<i>Shigella</i>
		<i>Clostridium botulinum</i>
		<i>E.coli</i>
		<i>Vibrio cholerae</i>
		<i>Listeria sp</i>
		<b>Pesticides</b>

Std. Nos.	Categories	Parameters
		Aldrin, dieldrin (the limits apply to aldrin and dieldrin singly or in any combination and are expressed as dieldrin)
		Chlordane (residue to be measured as cis plus trans chlordane)
		D.D.T. (The limits apply to D.D.T., D.D.D. and D.D.E. singly or in any combination)
		Dichlorvos (content of di-chloroacetaldehyde (D.C.A.) be reported where possible)
		Dicofol
		Dimethoate (residue to be determined as dimethoate and expressed as dimethoate)
		Endosulfan (residues are measured and reported as total of endosulfan A and B and endosulfan-sulphate)
		Fenitrothion
		Inorganic bromide (determined and expressed as total bromide from all sources)
		Hexachlorocyclohexane and its Isomers
		(a) Alfa ( $\alpha$ ) Isomer:
		(b) Beta ( $\beta$ ) Isomer :
		(c) Gamma ( $\gamma$ ) Isomer (Known as Lindane)
		(d) Delta ( $\delta$ ) Isomer
		Malathion (Malathion to be determined and expressed as combined residues of malathion and malaoxon)
		Parathion (Combined residues of parathion and paraoxon to be determined and expressed as parathion)
		Parathion methyl (combined residues of parathion methyl and its oxygen analogue to be determined and expressed asparathion methyl)
		Phosphamidon residues (expressed as the sum of phosphamidon and its desethyl derivative)
		Pyrethrins (sum of pyrethrins I & II and otherstructurally related insecticide Ingredients of pyrethrum)
		Chlorobenzilate
		Chlorpyrifos
		2,4D
		Ethion (Residues to bedetermined as ethion andlts oxygen analogueand expressed as ethion)
		Formothion (Determined as dinethoate and its oxygen Analogue and expressed as dimethoate except incase of citrus fruits where it is to be determined as formothion)
		Monocrotophos
		Paraquat Dichloride (Determined as Paraquat cations)

Std. Nos.	Categories	Parameters
		Phosalone
		Trichlorfon
		Thiometon (Residues determined as thiometon its sulfoxide and sulphone expressed as thiometon)
		Carbendazim
		Benomyl
		Captan
		Carbofuran (sum of carbofuran and 3-hydroxy carbofuran expressed as carbofuran)
		Copper Oxychloride (determined as copper)
		Dithiocarbamates (the residue tolerance limit are determined and expressed as mg/CS <sub>2</sub> /kg and refer separately to the residues arising from any or each group of dithiocarbamates)
		Phorate (sum of Phorate, its oxygen analogue and their sulphoxides and sulphones, expressed as phorate)
		Ethephon
		Tridemorph
<b>2.3.43</b>	<b>Pickles</b>	<b>General Parameters</b>
		Pickles means the preparation made from fruits or vegetables or other edible plant material including mushrooms. The pickle may contain onion, garlic, ginger, sugar jaggery, edible vegetable oil, green or red chillies, spices, spice extracts/oil, lime juice, vinegar/ acetic acid, citric acid, dry fruits and nuts. It shall be free from mineral acid, alum.
		Visual examination for insect or fungal infection and extraneous matter.
		Fermentation
		Test for preservatives (singly or in combination)
		a. Benzoic acid, Sodium and Potassium benzoate
		b. Sulphur dioxide
		c. Sorbic acid and its Calcium, Sodium, Potassium Salts (Calculated as sorbic acid)
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Beta carotene, Carotene (Natural extract), Annatto extract (Bixin), Beta apo-8 carotenal, Methyl and ethyl esters of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours (Plain), Caramel colours (Ammonium Sulphite process))
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF)
		Test for Antioxidants (BHA, TBHQ, ascorbyl palmitate)
		Test for Artificial sweeteners

Std. Nos.	Categories	Parameters
		a. Aspartame
		b. Acesulphame K
		c. Saccharin Sodium
		d. Sucralose
		e. Sorbitol
		<b>Quality Parameters</b>
		Filled (product) capacity of the container (Not applicable for bulk packs for industria use)
		<b>Pickles in Citrus juice or Brine conforming to the following requirements</b>
		(a) Drained Weight
		(b) Sodium Chloride content when packed in Brine
		(c) Acidity as Citric Acid when packed In Citrus Juice
		<b>Pickles in Oil</b>
		(a) Drained Weight
		(b) Fruit and Vegetable pieces shall be practically remaining submerged in oil
		<b>Pickles in Vinegar</b>
		(a) Drained Weight
		(b) Acidity of vinegar as acetic acid
		<b>Pickle without the above medium means pickles other than enumerated above</b>
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Tin
		Zinc
		Cadmium
		Mercury
		Methyl Mercury calculated as the element
		<b>Naturally occurring toxic substance (if product contains Mushrooms)</b>
		Agaric acid
		<b>Microbiological Safety</b>
		Mould Count
		Flat Sour Organisms
		<i>Staphylococcus aureus</i>
		<i>Salmonella</i>

Std. Nos.	Categories	Parameters
		<i>Shigella</i>
		<i>Clostridium botulinum</i>
		<i>E.coli</i>
		<i>Vibrio cholerae</i>
		<i>Listeria sp</i>
		<b>Pesticides</b>
		<b>For Fruit pickles</b>
		Aldrin, dieldrin (the limits apply to aldrin and dieldrin singly or in any combination and are expressed as dieldrin)
		Chlordane (residue to be measured as cis plus trans chlordane)
		D.D.T. (The limits apply to D.D.T., D.D.D. and D.D.E. singly or in any combination)
		Dichlorvos (content of di- chloroacetaldehyde (D.C.A.) be reported where possible)
		Dicofol
		Dimethoate (residue to be determined as dimethoate and expressed as dimethoate)
		Endosulfan (residues are measured and reported as total of endosulfan A and B and endosulfan-sulphate)
		Fenitrothion
		Inorganic bromide (determined and expressed as total bromide from all sources)
		Hexachlorocycle hexane and its Isomers
		(a) Alfa ( $\alpha$ ) Isomer:
		(b) Beta ( $\beta$ ) Isomer :
		(c) Gamma ( $\gamma$ ) Isomer (Known as Lindane)
		(d) Delta ( $\delta$ ) Isomer
		Malathion (Malathion to be determined and expressed as combined residues of malathion and malaoxon)
		Parathion (Combined residues of parathion and paraoxon to be determined and expressed as parathion)
		Parathion methyl (combined residues of parathion methyl and its oxygen analogue to be determined and expressed asparathion methyl)
		Phosphamidon residues (expressed as the sum of phosphamidon and its desethyl derivative)
		Pyrethrins (sum of pyrethrins I & II and otherstructurally related insecticide Ingredients of pyrethrum)
		Chlorobenzilate
		Chlorpyrifos
		2,4D

Std. Nos.	Categories	Parameters
		Ethion (Residues to be determined as ethion and its oxygen analogue and expressed as ethion)
		Formothion (Determined as dinethoate and its oxygen Analogue and expressed as dimethoate except in case of citrus fruits where it is to be determined as formothion)
		Monocrotophos
		Paraquat Dichloride (Determined as Paraquat cations)
		Phosalone
		Trichlorfon
		Thiometon (Residues determined as thiometon its sulfoxide and sulphone expressed as thiometon)
		Carbendazim
		Benomyl
		Captan
		Carbofuran (sum of carbofuran and 3-hydroxy carbofuran expressed as carbofuran)
		Copper Oxychloride (determined as copper)
		Fenthion (sum of fenthion, its oxygen analogue and their sulphoxides and sulphones expressed as fenthion)
		Dithiocarbamates (the residue tolerance limit are determined and expressed as mg/CS <sub>2</sub> /kg and refer separately to the residues arising from any or each group of dithiocarbamates)
		Phorate (sum of Phorate, its oxygen analogue and their sulphoxides and sulphones, expressed as phorate)
		Alfa Naphthyl Acetic Acid (A.N.A.)
		Chlormequatchloride
		Dodine
		Diuron
		Ethephon
		Thiophenatemethyl
		Fenarimol
		Hexaconazole
		Iprodione

Std. Nos.	Categories	Parameters
		Tridemorph
		Penconazole
		Myclobutanil
		Dithianon
		Cymoxanil
		Triadimefon
		Dimethomorph
		Propineb
		Fosetyl-A1
		Difenoconazole
		<b>For Vegetable pickle</b>
		Aldrin, dieldrin (the limits apply to aldrin and dieldrin singly or in any combination and are expressed as dieldrin)
		Carbaryl
		a. Okra and leafy vegetables
		b. All other vegetables
		Chlordane (residue to be measured as cis plus trans chlordane)
		D.D.T. (The limits apply to D.D.T., D.D.D. and D.D.E. singly or in any combination)
		Diazinon
		Dichlorvos (content of di- chloroacetaldehyde (D.C.A.) be reported where possible)
		Dicofol
		Dimethoate (residue to be determined as dimethoate and expressed as dimethoate)
		Endosulfan (residues are measured and reported as total of endosulfan A and B and endosulfan-sulphate)
		Fenitrothion
		Heptachlor (combined residues of heptachlor and its epoxide to be determined and expressed as Heptachlor)
		Hexachlorocyclohexane and its Isomers
		(a) Alfa ( $\alpha$ ) Isomer:
		(b) Beta ( $\beta$ ) Isomer :
		(c) Gamma ( $\gamma$ ) Isomer (Known as Lindane)
		(d) Delta ( $\delta$ ) Isomer

Std. Nos.	Categories	Parameters
		Malathion (Malathion to be determined and expressed as combined residues of malathion and malaoxon)
		Parathion (Combined residues of parathion and paraoxon to be determined and expressed as parathion)
		Parathion methyl (combined residues of parathion methyl and its oxygen analogue to be determined and expressed as parathion methyl)
		Phosphamidon residues (expressed as the sum of phosphamidon and its desethyl derivative)
		Pyrethrins (sum of pyrethrins I & II and other structurally related insecticide ingredients of pyrethrum)
		Chlorienvinphos (Residues to be measured as alpha and beta isomers of Chlorienvinphos)
		Chlorpyrifos
		Ethion (Residues to be determined as ethion and its oxygen analogue and expressed as ethion)
		Formothion (Determined as dimethoate and its oxygen analogue and expressed as dimethoate except in case of citrus fruits where it is to be determined as formothion)
		Monocrotophos
		Paraquat Dichloride (Determined as Paraquat cations)
		Phosalone
		Trichlorfon
		Thiometon (Residues determined as thiometon its sulfoxide and sulphone expressed as thiometon)
		Carbendazim
		Benomyl
		Captan
		Carbofuran (sum of carbofuran and 3-hydroxy carbofuran expressed as carbofuran)
		Copper Oxychloride (determined as copper)
		Cypermethrin (sum of isomers) (fat soluble residue)
		Fenthion (sum of fenthion, its oxygen analogue and their sulphoxides and sulphones expressed as fenthion)
		Fenvalerate (fat soluble residue)
		Dithiocarbamates (the residue tolerance limit are determined and expressed as mg/CS <sub>2</sub> /kg and refer separately to the residues arising from any or each group of dithiocarbamates)

Std. Nos.	Categories	Parameters
		Phorate (sum of Phorate, its oxygen analogue and their sulphoxides and sulphones, expressed as phorate)
		Captafol
		Ethephon
		Permethrin
		Iprodione
		Spinosad
		Triadimefon
		Metiram
		Lufenuron
		Novoluron
<b>2.3.44</b>	<b>Table Olives</b>	<b>General Parameters</b>
		Table Olives means the product obtained from sound clean fruits of proper maturity from Olive tree ( <i>Olea europaea sativa</i> Hoff of link) and suitably processed and preserved by natural fermentation / thermal processing or by addition of preservative.
		Visual examination for insect or fungal infection and abnormal fermentation
		Test for preservatives (singly or in combination)
		a. Benzoic acid, Sodium and Potassium benzoate
		b. Sulphur dioxide
		c. Sorbic acid and its Calcium, Sodium, Potassium Salts (Calculated as sorbic acid)
		Test for natural colors
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		Test for Antioxidants (BHA, TBHQ, ascorbyl palmitate )
		Test for Artificial sweeteners
		a. Aspartame
		b. Acesulphame K
		c. Saccharin Sodium
		d. Sucralose
		e. Sorbitol
		<b>Quality Parameters</b>
		Damaged matter-(units showing imperfection or damage to the mesocarp which may or may not be associated with superficial marks
		Insect damaged Units-units showing insect holes or deformed fruits or those with abnormal stains or whose mesocarp has an abnormal aspect
		Foreign matter- any vegetable matter not injurious to health such as leaves, stem etc

Std. Nos.	Categories	Parameters
		<b>(A) Green olives treated /untreated</b>
		(i) in hermetically sealed containers
		Sodium Chloride in brine
		pH of brine
		(ii) in non hermetically sealed containers
		Sodium Chloride in brine
		pH of brine
		(iii) with natural lactic fermentation
		Acidity of brine as lactic acid
		<b>(B) Seasoned green olives</b>
		(i) in hermetically sealed containers
		Sodium Chloride in brine
		pH of brine
		(ii) in non hermetically sealed containers
		Sodium Chloride in brine
		pH of brine
		<b>(C) Olives turning colour - all treatments</b>
		Sodium Chloride in brine
		<b>(D) Black Olives</b>
		(i) In brine
		Sodium Chloride in brine
		(ii) in dry salt
		Sodium Chloride in brine
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Tin
		Zinc
		Cadmium
		Mercury
		Methyl Mercury calculated as the element
		<b>Microbiological Safety</b>
		Total Plate count
		Yeast and Mould Count
		Flat Sour Organisms
		<i>Staphylococcus aureus</i>
		<i>Salmonella</i>
		<i>Shigella</i>

Std. Nos.	Categories	Parameters
		<i>Clostridium botulinum</i>
		<i>E.coli</i>
		<i>Vibrio cholerae</i>
		<i>Listeria sp</i>
		<b>Naturally occurring toxic substances (for stone fruits only)</b>
		Hydrocyanic acid
		<b>Pesticides*</b>
		Aldrin, dieldrin (the limits apply to aldrin and dieldrin singly or in any combination and are expressed as dieldrin)
		Chlordane (residue to be measured as cis plus trans chlordane)
		D.D.T. (The limits apply to D.D.T., D.D.D. and D.D.E. singly or in any combination)
		Dichlorvos (content of di- chloroacetaldehyde (D.C.A.) be reported where possible)
		Dicofol
		Dimethoate (residue to be determined as dimethoate and expressed as dimethoate)
		Endosulfan (residues are measured and reported as total of endosulfan A and B and endosulfan-sulphate)
		Fenitrothion
		Inorganic bromide (determined and expressed as total bromide from all sources)
		Hexachlorocycle hexane and its Isomers
		(a) Alfa ( $\alpha$ ) Isomer:
		(b) Beta ( $\beta$ ) Isomer :
		(c) Gamma ( $\gamma$ ) Isomer (Known as Lindane)
		(d) Delta ( $\delta$ ) Isomer
		Malathion (Malathion to be determined and expressed as combined residues of malathion and malaoxon)
		Parathion (Combined residues of parathion and paraoxon to be determined and expressed as parathion)
		Parathion methyl (combined residues of parathion methyl and its oxygen analogue to be determined and expressed asparathion methyl)
		Phosphamidon residues (expressed as the sum of phosphamidon and its desethyl derivative)
		Pyrethrins (sum of pyrethrins I & II and otherstructurally related insecticide Ingredients of pyrethrum)
		Chlorobenzilate
		Chlorpyrifos
		2,4D

Std. Nos.	Categories	Parameters
		Ethion (Residues to be determined as ethion and its oxygen analogue and expressed as ethion)
		Formothion (Determined as dinethoate and its oxygen Analogue and expressed as dimethoate except in case of citrus fruits where it is to be determined as formothion)
		Monocrotophos
		Paraquat Dichloride (Determined as Paraquat cations)
		Phosalone
		Trichlorfon
		Thiometon (Residues determined as thiometon its sulfoxide and sulphone expressed as thiometon)
		Carbendazim
		Benomyl
		Captan
		Carbofuran (sum of carbofuran and 3-hydroxy carbofuran expressed as carbofuran)
		Copper Oxylchloride (determined as copper)
		Dithiocarbamates (the residue tolerance limit are determined and expressed as mg/CS <sub>2</sub> /kg and refer separately to the residues arising from any or each group of dithiocarbamates)
		Phorate (sum of Phorate, its oxygen analogue and their sulphoxides and sulphones, expressed as phorate)
<b>2.3.45</b>	<b>Grated Desiccated Coconut</b>	<b>General Parameters</b>
		Grated Desiccated Coconut means the product obtained by peeling, milling and drying the kernel of coconut (cocos nucifera). The product may be in the form of thin flakes, chips or shreds.
		Physical examination for visible living and dead insect or fungal infection, rodent hair and excreta
		Rancidity and fermentation
		Test for preservatives (singly or in combination)
		a. Benzoic acid, Sodium and Potassium benzoate
		b. Sulphur dioxide
		c. Sorbic acid and its Calcium, Sodium, Potassium Salts (Calculated as sorbic acid)
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Beta carotene, Carotene (Natural extract), Annatto extract (Bixin), Beta apo-8 carotenal, Methyl and ethyl esters of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours (Plain), Caramel colours (Ammonium Sulphite process))

Std. Nos.	Categories	Parameters
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		Test for Antioxidants (BHA, TBHQ, ascorbyl palmitate )
		Test for Artificial sweeteners
		a. Aspartame
		b. Acesulphame K
		c. Saccharin Sodium
		d. Sucralose
		e. Sorbitol
		<b>Quality Parameters</b>
		Extraneous Vegetable matter (shells, fibre, peel and burnt particles)
		Moisture (m/m)
		Total Ash (m/m)
		Oil Content (m/m)
		Acidity of extracted fat pressed as Lauric Acid (m/m)
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Tin
		Zinc
		Cadmium
		Mercury
		Methyl Mercury calculated as the element
		<b>Microbiological Safety</b>
		Total Plate count
		Yeast and Mould Count
		Flat Sour Organisms
		<i>Staphylococcus aureus</i>
		<i>Salmonella</i>
		<i>Shigella</i>
		<i>Clostridium botulinum</i>
		<i>E.coli</i>
		<i>Vibrio cholerae</i>
		<i>Listeria sp</i>

Std. Nos.	Categories	Parameters
2.3.46	Vinegar	<b>General Parameters</b>
2.3.46.1	Brewed Vinegar	Brewed Vinegar means a product obtained by alcoholic and acetic acid fermentation of any suitable medium such as fruits, malt (brewed exclusively from malted barley or other cereals), molasses, Jaggary, Sugar Cane juice etc. with or without addition of caramel and spices. It shall not be fortified with acetic acid.
		Test for preservatives (singly or in combination)
2.3.46.2	Synthetic Vinegar	Synthetic Vinegar means the product prepared from acetic acid with or without caramel & spices
		a. Benzoic acid, Sodium and Potassium benzoate
		b. Sulphur dioxide
		c. Sorbic acid and its Calcium, Sodium, Potassium Salts (Calculated as sorbic acid)
		Caramel colours(Plain), Caramel colours(Ammonium Sulphite process)
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Beta carotene, Carotene(Natural extract), Annatto extract (Bixin), Beta apo-8 carotenal, Methyl and ethyl esters of Beta apo-8 carotenoic acid, Canthaxanthin
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		Test for Antioxidants (BHA, TBHQ, ascorbyl palmitate )
		Test for Artificial sweeteners
		a. Aspartame
		b. Acesulphame K
		c. Saccharin Sodium
		d. Sucralose
		e. Sorbitol
		<b>Quality Parameters</b>
		It shall not contain sulphuric acid or any other mineral acid. It shall be free from any foreign substances
		Brewed Vinegar
		a. Acidity (m/v)
		b. Total Solids (m/v)
		c. Total ash content
		Synthetic Vinegar
		a. Acidity of the product

Std. Nos.	Categories	Parameters
		b. Labelling
		Filled (product) capacity of the container for all sauces
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Tin
		Zinc
		Cadmium
		Mercury
		Methyl Mercury calculated as the element
		<b>Microbiological Safety</b>
		Flat Sour Organisms
		<i>Staphylococcus aureus</i>
		<i>Salmonella</i>
		<i>Shigella</i>
		<i>Clostridium botulinum</i>
		<i>E.coli</i>
		<i>Vibrio cholerae</i>
		<i>Listeria sp</i>
<b>2.3.47</b>	<b>Nuts and Raisins</b>	<b>General Parameters</b>
<b>2.3.47.1</b>	<b>Groundnut Kernel</b>	Groundnut kernel (deshelled) for direct human consumption commonly known as moongphali are obtained from the plant arachis hypogols. the kernels shall be free from non-edible seeds such as mahua, castor, neem or argemone etc.
		Physical examination for visible living and dead insect or fungal infection, rodent hair and excreta, stoes, dirt clay
		Physical examination for visible Non edible seeds (Mahua, Castor, neem and Argemone)
		Test for preservatives (singly or in combination)
		a. Benzoic acid, Sodium and Potassium benzoate
		b. Sulphur dioxide
		c. Sorbic acid and its Calcium, Sodium, Potassium Salts (Calculated as sorbic acid)

Std. Nos.	Categories	Parameters
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Beta carotene, Carotene(Natural extract), Annatto extract (Bixin), Beta apo-8 carotenal, Methyl and ethyl esters of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours(Plain), Caramel colours(Ammonium Sulphite process)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		Test for Antioxidants (BHA, TBHQ, ascorbyl palmitate )
		Test for Artificial sweeteners
		a. Aspartame
		b. Acesulphame K
		c. Saccharin Sodium
		d. Sucralose
		e. Sorbitol
		<b>Quality Parameters</b>
		Moisture
		Damaged kernel including slightly damaged kernel
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Tin
		Zinc
		Cadmium
		Mercury
		Methyl Mercury calculated as the element
		<b>Naturally Occuring Toxic Substances</b>
		Aflatoxin (ready to eat nuts)
		Aflatoxin (nuts for further processing)
		<b>Pesticides</b>
		Chlorienvinphos
		Carbendazim
		Benomyl
		Alachlor
		Bitertanol
		Chlormequatchloride
		Chlorothalonil
		Myclobutanil
		Trichlorfon
		Carbofuran (sum of carbofuran and 3-hydroxy carbofuran expressed as carbofuran)

Std. Nos.	Categories	Parameters
		Phorate (sum of Phorate, its oxygenanalogue and their sulphoxides and sulphones,expressed as phorate)
		Phenthoate
		Metiram
<b>2.3.47.2</b>	<b>Raisins</b>	<b>General Parameters</b>
		Raisins means the product obtained by drying sound, clean grapes of proper maturity belonging to <i>Vitis vinifera L.</i> The product may be washed, with or without seeds and stems and may be bleached with Sulphur Dioxide.
		Physical examination for visible living and dead insect or fungal infection, rodent hair and excreta, stones, dirt clay
		Evidence of fermentation
		Test for preservatives (singly or in combination)
		a. Benzoic acid, Sodium and Potassium benzoate
		b. Sulphur dioxide
		c. Sorbic acid and its Calcium,Sodium, Potassium Salts (Calculated as sorbic acid)
		Test for added Natural colours (Curcumin, Riboflavin,Chlorophyll, Beta carotene, Carotene(Natural extract),Annatto extract (Bixin), Beta apo-8 carotenal, Methyl and ethyl esters of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours(Plain), Caramel colours(Ammonium Sulphite process)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		Test for Antioxidants (BHA, TBHQ )
		Test for Artificial sweeteners
		a. Aspartame
		b. Acesulphame K
		c. Saccharin Sodium
		d. Sucralose
		e. Sorbitol
		<b>Quality Parameters</b>
		Test for mineral oil
		(i) Moisture (m/m)
		(ii) Damaged Raisins (m/m) (raisins affected by sunburn, scars, mechanical injury which affects the appearance, edibility and keeping quality)

Std. Nos.	Categories	Parameters
		(iii) Sugared Raisins (m/m) (Raisins with external or internal sugar crystals which are readily apparent and affect the appearance)
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Tin
		Zinc
		Cadmium
		Mercury
		Methyl Mercury calculated as the element
		<b>Microbiological Safety</b>
		Total Plate count
		Yeast and Mould Count
		Flat Sour Organisms
		<i>Staphylococcus aureus</i>
		<i>Salmonella</i>
		<i>Shigella</i>
		<i>Clostridium botulinum</i>
		<i>E.coli</i>
		<i>Vibrio cholerae</i>
		<i>Listeria species</i>
		<b>Pesticides</b>
		Aldrin, dieldrin (the limits apply to aldrin and dieldrin singly or in any combination and are expressed as dieldrin)
		Chlordane (residue to be measured as cis plus trans chlordane)
		D.D.T. (The limits apply to D.D.T., D.D.D. and D.D.E. singly or in any combination)
		Dichlorvos (content of di-chloroacetaldehyde (D.C.A.) be reported where possible)
		Dicofol
		Dimethoate (residue to be determined as dimethoate and expressed as dimethoate)
		Endosulfan (residues are measured and reported as total of endosulfan A and B and endosulfan-sulphate)
		Fenitrothion
		Inorganic bromide (determined and expressed as total bromide from all

Std. Nos.	Categories	Parameters
		sources)
		Hexachlorocyclohexane and its Isomers
		(a) Alfa ( $\alpha$ ) Isomer:
		(b) Beta ( $\beta$ ) Isomer :
		(c) Gamma ( $\gamma$ ) Isomer (Known as Lindane)
		(d) Delta ( $\delta$ ) Isomer
		Malathion (Malathion to be determined and expressed as combined residues of malathion and malaoxon)
		Parathion (Combined residues of parathion and paraoxon to be determined and expressed as parathion)
		Parathion methyl (combined residues of parathion methyl and its oxygen analogue to be determined and expressed asparathion methyl)
		Phosphamidon residues (expressed as the sum of phosphamidon and its desethyl derivative)
		Pyrethrins (sum of pyrethrins I & II and otherstructurally related insecticide Ingredients of pyrethrum)
		Chlorobenzilate
		Chlorpyrifos
		2,4D
		Ethion (Residues to bedetermined as ethion andlts oxygen analogueand expressed as ethion)
		Formothion (Determined as dinethoate and its oxygen Analogue and expressed as dimethoate except incase of citrus fruits where it is to be determined as formothion)
		Monocrotophos
		Paraquat Dichloride (Determined as Paraquat cations)
		Phosalone
		Trichlorfon
		Thiometon (Residues determined as thiometon its sulfoxide and sulphone expressed as thiometon)
		Carbendazim
		Benomyl
		Captan
		Carbofuran (sum of carbofuran and 3-hydroxy carbofuran expressed as carbofuran)
		Copper Oxychloride (determined as copper)
		Dithiocarbamates (the residue tolerance limit are determined and expressed as mg/CS <sup>2</sup> /kg and refer separately to the residues arising from any or each group of dithiocarbamates)
		Phorate (sum of Phorate, its oxygen analogue and their sulphoxides and

Std. Nos.	Categories	Parameters
		sulphones,expressed as phorate)
		Chlormequatchloride
		Diuron
		Iprodione
		Tridemorph
		Penconazole
		Myclobutanil
		Cymoxanil
		Triadimefon
		Dimethomorph
		Propineb
<b>2.3.47.3</b>	<b>Pistachio Nuts</b>	<b>General Parameters</b>
		Pistachio Nuts means the product obtained from mature seeds of <i>Pistacia vera L</i> which have been sun dried and their shells opened naturally or mechanically. The product may be raw, roasted, salted and/or lime juice treated
		Physical examination for visible living and dead insect or fungal infection, rodent hair and excreta, stones, dirt clay
		Free from mustiness and rancidity
		Test for preservatives (singly or in combination)
		a. Benzoic acid, Sodium and Potassium benzoate
		b. Sulphur dioxide
		c. Sorbic acid and its Calcium,Sodium, Potassium Salts (Calculated as sorbic acid)
		Test for added Natural colours (Curcumin, Riboflavin,Chlorophyll, Beta carotene, Carotene(Natural extract),Annatto extract (Bixin), Beta apo-8 carotenal, Methyl and ethyl esters of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours(Plain), Caramel colours(Ammonium Sulphite process)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		Test for Antioxidants (BHA, TBHQ )
		Test for Artificial sweeteners
		a. Aspartame
		b. Acesulphame K
		c. Saccharin Sodium
		d. Sucralose
		e. Sorbitol
		<b>Quality Parameters</b>

Std. Nos.	Categories	Parameters
		Moisture (m/m)
		Unopened Shells (m/m)
		Empty Shells (m/m)
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Tin
		Zinc
		Cadmium
		Mercury
		Methyl Mercury calculated as the element
		<b>Naturally Occuring Toxic Substances</b>
		Aflatoxin (ready to eat nuts)
		Aflatoxin (nuts for further processing)
		<b>Microbiological Safety</b>
		Total Plate count
		Yeast and Mould Count
		Flat Sour Organisms
		<i>Staphylococcus aureus</i>
		<i>Salmonella</i>
		<i>Shigella</i>
		<i>Clostridium botulinum</i>
		<i>E.coli</i>
		<i>Vibrio cholerae</i>
		<i>Clostridium botulinum</i>
		<i>E.coli</i>
		<i>Vibrio cholerae</i>
		<i>Listeria sp</i>
<b>2.3.47.4</b>	<b>Dates</b>	<b>General Parameters</b>
		Dates means the product obtained by drying sound, clean fruits of proper maturity belonging to <i>Phoenix dactylifera</i> .
		Physical examination for visible living and dead insect or fungal infection, rodent hair and excreta, stones, dirt clay
		Free from mustiness and rancidity
		Test for preservatives (singly or in combination)

Std. Nos.	Categories	Parameters
		a. Benzoic acid, Sodium and Potassium benzoate
		b. Sulphur dioxide
		c. Sorbic acid and its Calcium, Sodium, Potassium Salts (Calculated as sorbic acid)
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Beta carotene, Carotene (Natural extract), Annatto extract (Bixin), Beta apo-8 carotenal, Methyl and ethyl esters of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours (Plain), Caramel colours (Ammonium Sulphite process))
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF)
		Test for Antioxidants (BHA, TBHQ)
		Test for Artificial sweeteners
		a. Aspartame
		b. Acesulphame K
		c. Saccharin Sodium
		d. Sucralose
		e. Sorbitol
		<b>Quality Parameters</b>
		Moisture (m/m)
		Ash insoluble in dil HCl
		Blemished / Damaged Units Blemished: Dates showing scars, discoloration, sun burn, dark spots on the surface. Damaged: Dates affected by mashing and/or tearing of the flesh exposing the pit or changing the appearance
		Extraneous matter
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Tin
		Zinc
		Cadmium
		Mercury
		Methyl Mercury calculated as the element
		<b>Naturally occurring toxic substances</b>
		Hydrocyanic acid
		<b>Microbiological Safety</b>
		Total Plate count

Std. Nos.	Categories	Parameters
		Yeast and Mould Count
		Flat Sour Organisms
		<i>Staphylococcus aureus</i>
		<i>Salmonella</i>
		<i>Shigella</i>
		<i>Clostridium botulinum</i>
		<i>E.coli</i>
		<i>Vibrio cholerae</i>
		<i>Clostridium botulinum</i>
		<i>E.coli</i>
		<i>Vibrio cholerae</i>
		<i>Listeria sp</i>
		<b>Pesticides*</b>
		Aldrin, dieldrin (the limits apply to aldrin and dieldrin singly or in any combination and are expressed as dieldrin)
		Chlordane (residue to be measured as cis plus trans chlordane)
		D.D.T. (The limits apply to D.D.T., D.D.D. and D.D.E. singly or in any combination)
		Dichlorvos (content of di- chloroacetaldehyde (D.C.A.) be reported where possible)
		Dicofol
		Dimethoate (residue to be determined as dimethoate and expressed as dimethoate)
		Endosulfan (residues are measured and reported as total of endosulfan A and B and endosulfan-sulphate)
		Fenitrothion
		Inorganic bromide (determined and expressed as total bromide from all sources)
		Hexachlorocycle hexane and its Isomers
		(a) Alfa ( $\alpha$ ) Isomer:
		(b) Beta ( $\beta$ ) Isomer :
		(c) Gamma ( $\gamma$ ) Isomer (Known as Lindane)
		(d) Delta ( $\delta$ ) Isomer
		Malathion (Malathion to be determined and expressed as combined residues of malathion and malaaxon)
		Parathion (Combined residues of parathion and paraoxon to be determined and expressed as parathion)

Std. Nos.	Categories	Parameters
		Parathion methyl (combined residues of parathion methyl and its oxygen analogue to be determined and expressed asparathion methyl)
		Phosphamidon residues (expressed as the sum of phosphamidon and its desethyl derivative)
		Pyrethrins (sum of pyrethrins I & II and otherstructurally related insecticide Ingredients of pyrethrum)
		Chlorobenzilate
		Chlorpyrifos
		2,4D
		Ethion (Residues to be determined as ethion and its oxygen analogue and expressed as ethion)
		Formothion (Determined as dinethoate and its oxygen Analogue and expressed as dimethoate except in case of citrus fruits where it is to be determined as formothion)
		Monocrotophos
		Paraquat Dichloride (Determined as Paraquat cations)
		Phosalone
		Trichlorfon
		Thiometon (Residues determined as thiometon its sulfoxide and sulphone expressed as thiometon)
		Carbendazim
		Benomyl
		Captan
		Carbofuran (sum of carbofuran and 3-hydroxy carbofuran expressed as carbofuran)
		Copper Oxychloride (determined as copper)
		Dithiocarbamates (the residue tolerance limit are determined and expressed as mg/CS <sup>2</sup> /kg and refer separately to the residues arising from any or each group of dithiocarbamates)
		Phorate (sum of Phorate, its oxygen analogue and their sulphoxides and sulphones, expressed as phorate)
<b>2.3.47.5</b>	<b>Dry Fruits and Nuts</b>	<b>General Parameters</b>
		Dry Fruits and Nuts means the products obtained by drying sound, clean fruits and nuts of proper maturity. The product may be with or without stalks, shelled or unshelled, pitted or unpitted or pressed into blocks.
		Physical examination for visible living and dead insect or fungal infection, rodent hair and excreta, stones, dirt clay
		Free from mustiness and rancidity and evidence of fermentation
		Test for preservatives (singly or in combination)

Std. Nos.	Categories	Parameters
		a. Benzoic acid, Sodium and Potassium benzoate
		b. Sulphur di oxide in Apricots, peaches, apples, pears and other dried fruits
		c. Sorbic acid and its Calcium, Sodium, Potassium Salts (Calculated as sorbic acid)
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Beta carotene, Carotene (Natural extract), Annatto extract (Bixin), Beta apo-8 carotenal, Methyl and ethyl esters of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours (Plain), Caramel colours (Ammonium Sulphite process))
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF)
		Test for Antioxidants (BHA, TBHQ)
		Test for Artificial sweeteners
		a. Aspartame
		b. Acesulphame K
		c. Saccharin Sodium
		d. Sucralose
		e. Sorbitol
		<b>Quality Parameters</b>
		Extraneous Vegetable matter (m/m) includes stalks, pieces of shells, pits, fibre and peel
		Damaged/ Discoloured units (m/m) Fruits and nuts affected by sunburn scars, mechanical injury, discoloration and insect damaged
		Acidity of extracted fat expressed as oleic Acid
		<b>Naturally Occuring Toxic Substances</b>
		Aflatoxin (ready to eat nuts)
		Aflatoxin (nuts for further processing)
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Tin
		Zinc
		Cadmium
		Mercury
		Methyl Mercury calculated as the element
		<b>Microbiological Safety</b>
		Total Plate count

Std. Nos.	Categories	Parameters
		Yeast and Mould Count
		Flat Sour Organisms
		<i>Staphylococcus aureus</i>
		<i>Salmonella</i>
		<i>Shigella</i>
		<i>Clostridium botulinum</i>
		<i>E.coli</i>
		<i>Vibrio cholerae</i>
		<i>Clostridium botulinum</i>
		<i>E.coli</i>
		<i>Vibrio cholerae</i>
		<i>Listeria sp</i>
		<b>Pesticides</b>
		Aldrin, dieldrin (the limits apply to aldrin and dieldrin singly or in any combination and are expressed as dieldrin)
		Chlordane (residue to be measured as cis plus trans chlordane)
		D.D.T. (The limits apply to D.D.T., D.D.D. and D.D.E. singly or in any combination)
		Diazinon
		Dichlorvos (content of di- chloroacetaldehyde (D.C.A.) be reported where possible)
		Dicofol
		Dimethoate (residue to be determined as dimethoate and expressed as dimethoate)
		Endosulfan (residues are measured and reported as total of endosulfan A and B and endosulfan-sulphate)
		Fenitrothion
		Inorganic bromide (determined and expressed as total bromide from all sources)
		Hexachlorocycle hexane and its Isomers
		(a) Alfa ( $\alpha$ ) Isomer:
		(b) Beta ( $\beta$ ) Isomer :
		(c) Gamma ( $\gamma$ ) Isomer (Known as Lindane)
		(d) Delta ( $\delta$ ) Isomer
		Malathion (Malathion to be determined and expressed as combined residues of malathion and malaaxon)

Std. Nos.	Categories	Parameters
		Parathion (Combined residues of parathion and paraoxon to be determined and expressed as parathion)
		Parathion methyl (combined residues of parathion methyl and its oxygen analogue to be determined and expressed asparathion methyl)
		Phosphamidon residues (expressed as the sum of phosphamidon and its desethyl derivative)
		Pyrethrins (sum of pyrethrins I & II and otherstructurally related insecticide Ingredients of pyrethrum)
		Chlorobenzilate
		Chlorpyrifos
		2,4D
		Ethion (Residues to bedetermined as ethion andlts oxygen analogueand expressed as ethion)
		Formothion (Determined as dinethoate and its oxygen Analogue and expressed as dimethoate except incase of citrus fruits where it is to be determined as formothion)
		Monocrotophos
		Paraquat Dichloride (Determined as Paraquat cations)
		Phosalone
		Trichlorfon
		Thiometon (Residues determined as thiometon its sulfoxide and sulphone expressed as thiometon)
		Carbendazim
		Benomyl
		Captan
		Carbofuran (sum of carbofuran and 3-hydroxy carbofuran expressed as carbofuran)
		Copper Oxychloride (determined as copper)
		Dithiocarbamates (the residue tolerance limit are determined and expressed as mg/CS <sup>2</sup> /kg and refer separately to the residues arising from any or each group of dithiocarbamates)
		Phorate (sum of Phorate, its oxygen analogue and their sulphoxides and sulphones,expressed as phorate)
<b>2.3.48</b>	<b>Bean</b>	<b>General Parameters</b>
		BEAN: means dry kidney shaped or flattened seeds of the leguminous varieties used as food, either whole or prepared as dal.
		Physical examination for visible living and dead insect or fungal infection, rodent hair and excreta, stones, dirt clay
		Test for preservatives (singly or in combination)
		a. Benzoic acid, Sodium and Potassium benzoate

Std. Nos.	Categories	Parameters
		b. Sulphur dioxide
		c. Sorbic acid and its Calcium, Sodium, Potassium Salts (Calculated as sorbic acid)
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Beta carotene, Carotene (Natural extract), Annatto extract (Bixin), Beta apo-8 carotenal, Methyl and ethyl esters of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours (Plain), Caramel colours (Ammonium Sulphite process))
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF)
		Test for Antioxidants (BHA, TBHQ)
		Test for Artificial sweeteners
		a. Aspartame
		b. Acesulphame K
		c. Saccharin Sodium
		d. Sucralose
		e. Sorbitol
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Tin
		Zinc
		Cadmium
		Mercury
		Methyl Mercury calculated as the element
		<b>Pesticides</b> [Bean taken as Milled food grain]
		Aldrin, dieldrin (the limits apply to aldrin and dieldrin singly or in any combination and are expressed as dieldrin)
		Carbaryl
		Chlordane (residue to be measured as cis plus trans chlordane)
		Diazinon
		Dichlorvos (content of di-chloroacetaldehyde (D.C.A.) be reported where possible)
		Fenitrothion
		Heptachlor (combined residues of heptachlor and its epoxide to be determined and expressed Milled as Heptachlor)
		Hydrogen cyanide
		Hydrogen phosphide
		Inorganic bromide (determined and expressed as total bromide from all sources)

Std. Nos.	Categories	Parameters
		Hexachlorocyclohexane Gamma (Gamma) Isomer (Known as Lindane)
		Malathion (Malathion to be determined and expressed as combined residues of malathion and malaoxon)
		Chlorienvinphos
		Pyrethrins (sum of pyrethrins I & II and structurally related insecticide Ingredients of pyrethrum)
		Phosphamidon residues (expressed as the sum of phosphamidon and its desethyl derivative)
		Chlorpyrifos
		2,4D
		Ethion (Residues to be determined as ethion Tea And Its oxygen analogue and expressed as ethion)
		Monochrotophos
		Paraquat Dichloride (Determined as Paraquat cations)
		Trichlorfon
		Thiometon (Residues determined as thiometon its sulfoxide and sulphone expressed as thiometon)
		Decamethrin / Deltamethrin
		Carbendazim
		Benomyl
		Carbofuran (sum of carbofuran and 3-hydroxy carbofuran expressed as carbofuran)
		Decamethrin / Deltamethrin
		Fenthion (sum of fenthion, its oxygen analogue and their sulphoxides and sulphones expressed as fenthion)
		Dithiocarbamates (the residue tolerance limit are determined and expressed as mg/CS <sub>2</sub> /kg and refer separately to the residues arising from any or each group of dithiocarbamates)
		Phenthoate
		Phorate (sum of Phorate, its oxygen analogue and their sulphoxides and sulphones, expressed as phorate)
		Pirimiphos-methyl
		Alachlor
		Fenoxyprop-p-ethyl
		Quizalofop-ethyl
		Clomazone
		Chlorienvinphos (Residues to be measured as alpha and beta isomers of Chlorienvinphos)
		Carbendazim
		Benomyl
		Alachlor

Std. Nos.	Categories	Parameters
		Bitertanol
		Chlorothalonil
		Myclobutanil

**\*Products should be free from all adulterants**

# **Volume-4**

## **Cereals and Cereal Products**

## TEST PARAMETERS FOR CEREALS & CEREAL PRODUCTS

In case the product contains any permitted additives as per Appendix A, the testing for the additive is also required to be carried out in addition to the prescribed parameters.

Test methods described in the manuals as amended and adopted by FSSAI from time to time shall only be used for analyzing the samples of Food Articles.

Std. Nos.	Categories	Parameters
<b>2.4</b>	<b>CEREALS &amp; CEREAL PRODUCTS</b>	
2.4.1	ATTA	
2.4.1.1	Atta or resultant atta	<b>General Parameters</b>
		Atta or resultant atta means the coarse product obtained by milling or grinding clean wheat
		Physical examination for moulds, living and dead insects, insect fragments and rodent contamination (hair, excreta) visible to the naked eye.
		Musty odour and rancidity
		Test for antioxidants (BHA, TBHQ)
		Test for Preservatives Sorbic Acid, Sodium/ Potassium/ Calcium sorbate expressed as Sorbic acid, Benzoic acid, Sodium/ Potassium/ benzoate expressed as Benzoic acid
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Beta carotene, Carotene (Natural extract), Annatto extract (Bixin), Beta apo-8 carotenal, Methyl and Ethyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours (Plain), Caramel colours (Ammonium Sulphite process))
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF)
		<b>Quality Parameters</b>
		Moisture
		Total ash
		Ash insoluble in dilute HCl
		Gluten (on dry weight basis)
		Alcoholic acidity (with 90 % alcohol) expressed as H <sub>2</sub> SO <sub>4</sub> (on dry weight basis)

Std. Nos.	Categories	Parameters
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Cadmium
		Zinc
		<b>Naturally occurring Toxic Substances</b>
		Aflatoxin
		Ochratoxin A
		Deoxynivalenol
		<b>Pesticides</b> [All from milled food grains]
		Aldrin, dieldrin (the limits apply to aldrin and dieldrin singly or in any combination and are expressed as dieldrin)
		Carbaryl
		Chlordane (residue to be measured as cis plus trans chlordane)
		Diazinon
		Dichlorvos (content of di- chloroacetaldehyde (D.C.A.) be reported where possible)
		Fenitrothion
		Heptachlor (combined residues of heptachlor and its epoxide to be determined and expressed Milled as Heptachlor)
		Hydrogen cyanide
		Hydrogen phosphide
		Inorganic bromide (determined and expressed as total bromide from all sources)
		Hexachlorocycle hexane Gamma (Gamma) Isomer (Known as Lindane)
		Malathion (Malathion to be determined and expressed as combined residues of malathion and malaoxon)
		Chlorienvinphos
		Pyrethrins (sum of pyrethrins I & II and structurally related insecticide Ingredients of pyrethrum)
		Phosphamidon residues (expressed as the sum of phosphamidon and its desethyl derivative)
		Chlorpyrifos
		2,4D
		Ethion (Residues to be determined as ethion Tea And Its oxygen analogueand expressed as ethion)

Std. Nos.	Categories	Parameters
		Monochrotophos
		Paraquat Dichloride (Determined as Paraquat cations)
		Trichlorfon
		Thiometon (Residues determined as thiometon its sulfoxide and sulphone expressed as thiometon)
		Decamethrin / Deltamethrin
		Carbendazim
		Benomyl
		Carbofuran (sum of carbofuran and 3-hydroxy carbofuran expressed as carbofuran)
		Fenthion (sum of fenthion, its oxygen analogue and their sulphoxides and sulphones expressed as fenthion)
		Dithiocarbamates (the residue tolerance limit are determined and expressed as mg/CS <sub>2</sub> /kg and refer separately to the residues arising from any or each group of dithiocarbamates)
		Phenthoate
		Phorate (sum of Phorate, its oxygen analogue and their sulphoxides and sulphones,expressed as phorate)
		Pirimiphos-methyl
		Cypermethrin (sum of isomers) (fat soluble residue)
<b>2.4.1.2</b>	<b>Fortified atta</b>	<b>General Parameters</b>
		Fortified atta means the product obtained by adding one or more of the following materials to atta, namely Calcium carbonate (prepared chalk, popularly known as Creta preparata), Iron, Zinc, Vitamin A, Vitamin C, Vitamin B1, Vitamin B2, Niacin, Vitamin B6, Folic acid, Vitamin B12 and Vitamin D.
		Physical examination for moulds, living and dead insects, insect fragments and rodent contamination (hair, excreta) visible to the naked eye
		Musty odour and rancidity
		Test for antioxidants (BHA, TBHQ)
		Test for Preservatives Sorbic Acid, Sodium/ Potassium/ Calcium sorbate expressed as Sorbic acid, Benzoic acid, Sodium/ Potassium/ benzoate expressed as Benzoic acid
		Test for added Natural colours (Curcumin, Riboflavin,Chlorophyll, Beta carotene, Carotene(Natural extract),Annatto extract (Bixin), Beta apo-8 carotenal, Methyl and Ethyl esters of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours(Plain), Caramel colours(Ammonium Sulphite process)

Std. Nos.	Categories	Parameters
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		<b>Quality Parameters</b>
		Moisture
		Total ash
		Ash insoluble in dilute HCl
		Gluten (on dry weight basis)
		Alcoholic acidity (with 90 % alcohol) expressed as H <sub>2</sub> SO <sub>4</sub> (on dry weight basis)
		Fortified with Calcium carbonate
		Calcium- Calcium carbonate, Calcium chloride, Calcium citrate, Calcium phosphate monobasic, Calcium phosphate dibasic, Calcium phosphate tribasic
		Iron- (a) Ferrous citrate, Ferrous lactate, Ferrous sulphate, Ferric pyrophosphate, electrolytic iron, Ferrous fumarate; (b) Sodium iron (III) Ethylene diamine tetra Acetate., Trihydrate (Sodium ferredetate- Na Fe EDTA)
		Zinc- Zinc sulphate
		Vitamin A- Retinyl acetate, Retinyl palmitate, Retinyl propionate
		Ascorbic Acid (Vitamin C)- Ascorbic acid, sodium ascorbate, calcium ascorbate, ascorbyl-6-palmitate
		Thiamine (Vitamin B1)- Thiamin hydrochloride, Thiamin mononitrate
		Riboflavin (Vitamin B2)- Riboflavin, Riboflavin 5'- Phosphate sodium
		Niacin- Nicotinamide, nicotinic acid
		Pyridoxin (Vitamin B6)- Pyridoxin hydrochloride
		Folic acid- Folic acid
		Vitamin B12- Cyanocobalamin, hydroxycobalamin
		Vitamin D- Cholecalciferol, Ergocalciferol
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Mercury
		Methyl Mercury calculated as the element
		Tin

Std. Nos.	Categories	Parameters
		Cadmium
		Zinc
		<b>Naturally occurring Toxic Substances</b>
		Aflatoxin
		Ochratoxin A
		Deoxynivalenol
		<b>Pesticides</b>
		Aldrin, dieldrin (the limits apply to aldrin and dieldrin singly or in any combination and are expressed as dieldrin)
		Carbaryl
		Chlordane (residue to be measured as cis plus trans chlordane)
		Diazinon
		Dichlorvos (content of di- chloroacetaldehyde (D.C.A.) be reported where possible)
		Fenitrothion
		Heptachlor (combined residues of heptachlor and its epoxide to be determined and expressed Milled as Heptachlor)
		Hydrogen cyanide
		Hydrogen phosphide
		Inorganic bromide (determined and expressed as total bromide from all sources)
		Hexachlorocycle hexane Gamma (Gamma) Isomer (Known as Lindane)
		Malathion (Malathion to be determined and expressed as combined residues of malathion and malaoxon)
		Chlorienvinphos
		Pyrethrins (sum of pyrethrins I & II and structurally related insecticide Ingredients of pyrethrum)
		Phosphamidon residues (expressed as the sum of phosphamidon and its desethyl derivative)
		Chlorpyrifos
		2,4D
		Ethion (Residues to be determined as ethion Tea And Its oxygen analogue and expressed as ethion)
		Monochrotophos
		Paraquat Dichloride (Determined as Paraquat cations)
		Trichlorfon
		Thiometon (Residues determined as thiometon its sulfoxide and sulphone expressed as thiometon)
		Decamethrin / Deltamethrin
		Carbendazim

Std. Nos.	Categories	Parameters
		Benomyl
		Carbofuran (sum of carbofuran and 3-hydroxy carbofuran expressed as carbofuran)
		Decamethrin / Deltamethrin
		Fenthion (sum of fenthion, its oxygen analogue and their sulphoxides and sulphones expressed as fenthion)
		Dithiocarbamates (the residue tolerance limit are determined and expressed as mg/CS <sup>2</sup> /kg and refer separately to the residues arising from any or each group of dithiocarbamates)
		Phenthoate
		Phorate (sum of Phorate, its oxygen analogue and their sulphoxides and sulphones, expressed as phorate)
		Pirimiphos-methyl
		Cypermethrin (sum of isomers) (fat soluble residue)
<b>2.4.1.3</b>	<b>Protein rich (Paushtik) atta</b>	<b>General Parameters</b>
		Protein rich (paushtik) atta means the product obtained by mixing wheat atta with groundnut flour "or soya flour", or a combination of both". flour up to an extent of 10.0 per cent
		Physical examination for moulds, living and dead insects, insect fragments and rodent contamination (hair, excreta) and fungus visible to the naked eye
		Musty odour and rancidity
		Test for antioxidants (BHA, TBHQ)
		Test for preservatives Test for Preservatives Sorbic Acid, Sodium/ Potassium/ Calcium sorbate expressed as Sorbic acid, Benzoic acid, Sodium/ Potassium/ benzoate expressed as Benzoic acid Sulphur di oxide etc
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Beta carotene, Carotene(Natural extract), Annatto extract (Bixin), Beta apo-8 carotenal, Methyl and Ethyl esters of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours(Plain), Caramel colours(Ammonium Sulphite process)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		<b>Quality Parameters</b>
		Moisture

Std. Nos.	Categories	Parameters
		Total ash
		Ash insoluble in dilute HCl
		Total Protein (N x 6.25)
		Crude Fibre
		Alcoholic acidity (with 90 % alcohol) expressed as H <sub>2</sub> SO <sub>4</sub>
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Cadmium
		Zinc
		<b>Naturally occurring Toxic Substances</b>
		Aflatoxin
		Ochratoxin A
		Deoxynivalenol
		<b>Pesticides</b>
		Aldrin, dieldrin (the limits apply to aldrin and dieldrin singly or in any combination and are expressed as dieldrin)
		Carbaryl
		Chlordane (residue to be measured as cis plus trans chlordane)
		Diazinon
		Dichlorvos (content of di- chloroacetaldehyde (D.C.A.) be reported where possible)
		Fenitrothion
		Heptachlor (combined residues of heptachlor and its epoxide to be determined and expressed Milled as Heptachlor)
		Hydrogen cyanide
		Hydrogen phosphide
		Inorganic bromide (determined and expressed as total bromide from all sources)
		Hexachlorocycle hexane Gamma (Gamma) Isomer (Known as Lindane)
		Malathion (Malathion to be determined and expressed as combined residues of malathion and malaaxon)
		Chlorienvinphos

Std. Nos.	Categories	Parameters
		Pyrethrins (sum of pyrethrins I & II and structurally related insecticide Ingredients of pyrethrum)
		Phosphamidon residues (expressed as the sum of phosphamidon and its desethyl derivative)
		Chlorpyrifos
		2,4D
		Ethion (Residues to be determined as ethion Tea And Its oxygen analogue and expressed as ethion)
		Monochrotophos
		Paraquat Dichloride (Determined as Paraquat cations)
		Trichlorfon
		Thiometon (Residues determined as thiometon its sulfoxide and sulphone expressed as thiometon)
		Decamethrin / Deltamethrin
		Carbendazim
		Benomyl
		Carbofuran (sum of carbofuran and 3-hydroxy carbofuran expressed as carbofuran)
		Decamethrin / Deltamethrin
		Fenthion (sum of fenthion, its oxygen analogue and their sulphoxides and sulphones expressed as fenthion)
		Dithiocarbamates (the residue tolerance limit are determined and expressed as mg/CS2/kg and refer separately to the residues arising from any or each group of dithiocarbamates)
		Phenthoate
		Phorate (sum of Phorate, its oxygen analogue and their sulphoxides and sulphones, expressed as phorate)
		Pirimiphos-methyl
		Cypermethrin (sum of isomers) (fat soluble residue)
<b>2.4.2</b>	<b>MAIDA</b>	
<b>2.4.2.1</b>	<b>Maida</b>	<b>General Parameters</b>
		Maida means the fine product made by milling or grinding clean wheat.
		Physical examination for moulds, living and dead insects, insect fragments and rodent contamination (hair, excreta) and fungus visible to the naked eye
		Musty odour and rancidity
		Test for antioxidants (BHA, TBHQ)
		Test for preservatives Sorbic Acid, Sodium/ Potassium/ Calcium sorbate expressed as Sorbic acid, Benzoic acid, Sodium/ Potassium/ benzoate expressed as Benzoic acid Sulphur di oxide

Std. Nos.	Categories	Parameters
		etc)
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Beta carotene, Carotene(Natural extract), Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours(Plain), Caramel colours(Ammonium Sulphite process)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		<b>Quality Parameters</b>
		Moisture
		Total ash
		Ash insoluble in dilute HCl
		Gluten (on dry weight basis)
		Alcoholic acidity (with 90 % alcohol) expressed as H <sub>2</sub> SO <sub>4</sub> (on dry weight basis)
		<b>Maida for bakery purpose, the following flour treatment agents in the quantities mentioned against each may be used, namely</b>
		Benzoyl peroxide (Max)
		Potassium bromate (Max)
		Ascorbic acid (Max)
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Cadmium
		Zinc
		<b>Naturally occurring Toxic Substances</b>
		Aflatoxin
		Ochratoxin A
		Deoxynivalenol
		<b>Pesticides</b>

Std. Nos.	Categories	Parameters
		Aldrin, dieldrin (the limits apply to aldrin and dieldrin singly or in any combination and are expressed as dieldrin)
		Carbaryl
		Chlordane (residue to be measured as cis plus trans chlordane)
		Diazinon
		Dichlorvos (content of di- chloroacetaldehyde (D.C.A.) be reported where possible)
		Fenitrothion
		Heptachlor (combined residues of heptachlor and its epoxide to be determined and expressed Milled as Heptachlor)
		Hydrogen cyanide
		Hydrogen phosphide
		Inorganic bromide (determined and expressed as total bromide from all sources)
		Hexachlorocycle hexane Gamma (Gamma) Isomer (Known as Lindane)
		Malathion (Malathion to be determined and expressed as combined residues of malathion and malaoxon)
		Chlorienvinphos
		Pyrethrins (sum of pyrethrins I & II and structurally related insecticide Ingredients of pyrethrum)
		Phosphamidon residues (expressed as the sum of phosphamidon and its desethyl derivative)
		Chlorpyrifos
		2,4D
		Ethion (Residues to be determined as ethion Tea And Its oxygen analogue and expressed as ethion)
		Monochrotophos
		Paraquat Dichloride (Determined as Paraquat cations)
		Trichlorfon
		Thiometon (Residues determined as thiometon its sulfoxide and sulphone expressed as thiometon)
		Decamethrin / Deltamethrin
		Carbendazim
		Benomyl
		Carbofuran (sum of carbofuran and 3-hydroxy carbofuran expressed as carbofuran)
		Decamethrin / Deltamethrin
		Fenthion (sum of fenthion, its oxygen analogue and their sulphoxides and sulphones expressed as fenthion)
		Dithiocarbamates (the residue tolerance limit are determined and expressed as mg/CS <sub>2</sub> /kg and refer separately to the residues

Std. Nos.	Categories	Parameters
		arising from any or each group of dithiocarbamates
		Phenthoate
		Phorate (sum of Phorate, its oxygen analogue and their sulphoxides and sulphones, expressed as phorate)
		Pirimiphos-methyl
		Cypermethrin (sum of isomers) (fat soluble residue)
<b>2.4.2.2</b>	<b>Fortified Maida</b>	<b>General Parameters</b>
		Fortified maida means the product obtained by adding one or more of the following materials to maida, Namely Calcium carbonate (prepared chalk, popularly known as Creta preparata), Iron, Zinc, Vitamin A, Vitamin C, Vitamin B1, Vitamin B2, Niacin, Vitamin B6, Folic acid, Vitamin B12 and Vitamin D.
		Physical examination for moulds, living and dead insects, insect fragments and rodent contamination (hair, excreta) and fungus visible to the naked eye
		Musty odour and rancidity
		Test for antioxidants (BHA, TBHQ)
		Test for Preservatives Sorbic Acid, Sodium/ Potassium/ Calcium sorbate expressed as Sorbic acid, Benzoic acid, Sodium/ Potassium/ benzoate expressed as Benzoic acid, Sulphur di oxide etc
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Beta carotene, Carotene (Natural extract), Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours (Plain), Caramel colours (Ammonium Sulphite process))
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF)
		<b>Quality Parameters</b>
		Moisture
		Total ash
		Ash insoluble in dilute HCl
		Gluten (on dry weight basis)
		Alcoholic acidity (with 90 % alcohol) expressed as H <sub>2</sub> SO <sub>4</sub> (on dry

Std. Nos.	Categories	Parameters
		weight basis)
		Fortified with Calcium carbonate, Iron, thamine, Riboflavin or Niacin
		Calcium- Calcium carbonate, Calcium chloride, Calcium citrate, Calcium phosphate monobasic, Calcium phosphate dibasic, Calcium phosphate tribasic
		Iron- (a)Ferrous citrate, Ferrous lactate, Ferrous sulphate, Ferric pyrophosphate, electrolytic iron, Ferrous fumarate; (b) Sodium iron (III) Ethylene diamine tetra Acetate,, Trihydrate (Sodium feredetate- Na Fe EDTA)
		Zinc- Zinc sulphate
		Vitamin A-Retinyal acetate, Retinyal palmitate, Retintyl propionate
		Ascorbic Acid (Vitamin C)- Ascorbic acid, sodium ascorbate, calcium ascorbate, ascorbyl-6-palmitate
		Thiamine (Vitamin B1)- Thiamin hydrochloride, Thiamin mononitrate
		Riboflavin (Vitamin B2)- Riboflavin, Riboflavin 5'- Phosphate sodium
		Niacin- Nicotinamide, nicotinic acid
		Pyridoxin (Vitamin B6)- Pyridoxin hydrochloride
		Folic acid- Folic acid
		Vitamin B12- Cyancobalomine, hydroxycobalamine
		Vitamin D-Cholecalciferol, Ergocalciferol
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Cadbium
		Zinc
		<b>Naturally occurring Toxic Substances</b>
		Aflatoxin
		Ochratoxin A
		Deoxynivalenol
		<b>Pesticides</b>
		Aldrin, dieldrin (the limits apply to aldrin and dieldrin singly or in any combination and are expressed as dieldrin)
		Carbaryl

Std. Nos.	Categories	Parameters
		Chlordane (residue to be measured as cis plus trans chlordane)
		Diazinon
		Dichlorvos (content of di- chloroacetaldehyde (D.C.A.) be reported where possible)
		Fenitrothion
		Heptachlor (combined residues of heptachlor and its epoxide to be determined and expressed Milled as Heptachlor)
		Hydrogen cyanide
		Hydrogen phosphide
		Inorganic bromide (determined and expressed as total bromide from all sources)
		Hexachlorocycle hexane Gamma (Gamma) Isomer (Known as Lindane)
		Malathion (Malathion to be determined and expressed as combined residues of malathion and malaoxon)
		Chlorienvinphos
		Pyrethrins (sum of pyrethrins I & II and structurally related insecticide Ingredients of pyrethrum)
		Phosphamidon residues (expressed as the sum of phosphamidon and its desethyl derivative)
		Chlorpyrifos
		2,4D
		Ethion (Residues to be determined as ethion Tea And Its oxygen analogue and expressed as ethion)
		Monochrotophos
		Paraquat Dichloride (Determined as Paraquat cations)
		Trichlorfon
		Thiometon (Residues determined as thiometon its sulfoxide and sulphone expressed as thiometon)
		Decamethrin / Deltamethrin
		Carbendazim
		Benomyl
		Carbofuran (sum of carbofuran and 3-hydroxy carbofuran expressed as carbofuran)
		Decamethrin / Deltamethrin
		Fenthion (sum of fenthion, its oxygen analogue and their sulphoxides and sulphones expressed as fenthion)
		Dithiocarbamates (the residue tolerance limit are determined and expressed as mg/CS <sup>2</sup> /kg and refer separately to the residues arising from any or each group of dithiocarbamates)
		Phenthoate

Std. Nos.	Categories	Parameters
		Phorate (sum of Phorate, its oxygen analogue and their sulphoxides and sulphones, expressed as phorate)
		Pirimiphos-methyl
		Cypermethrin (sum of isomers) (fat soluble residue)
<b>2.4.2.3</b>	<b>Protein rich (Paushtik) maida</b>	<b>General Parameters</b>
		Protein rich (paushtik) maida means the product obtained by mixing maida (wheat flour) with groundnut flour "or soya flour; or a combination of both" up to an extent of 10.0 per cent soya flour.
		Physical examination for moulds, living and dead insects, insect fragments and rodent contamination (hair, excreta) and fungus visible to the naked eye
		Musty odour and rancidity
		Test for antioxidants (BHA, TBHQ)
		Test for Preservatives Sorbic Acid, Sodium/ Potassium/ Calcium sorbate expressed as Sorbic acid, Benzoic acid, Sodium/ Potassium/ benzoate expressed as Benzoic acid, Sulphur di oxide etc
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Beta carotene, Carotene (Natural extract), Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours (Plain), Caramel colours (Ammonium Sulphite process))
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF)
		<b>Quality Parameters</b>
		Moisture
		Total ash
		Ash insoluble in dilute HCl
		Total Protein (N x 6.25)
		Crude Fibre
		Alcoholic acidity (with 90 % alcohol) expressed as H <sub>2</sub> SO <sub>4</sub>
		Gluten
		<b>Metal Contaminants</b>
		Lead

Std. Nos.	Categories	Parameters
		Copper
		Arsenic
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Cadmium
		Zinc
		<b>Naturally occurring Toxic Substances</b>
		Aflatoxin
		Ochratoxin A
		Deoxynivalenol
		<b>Pesticides</b>
		Aldrin, dieldrin (the limits apply to aldrin and dieldrin singly or in any combination and are expressed as dieldrin)
		Carbaryl
		Chlordane (residue to be measured as cis plus trans chlordane)
		Diazinon
		Dichlorvos (content of di- chloroacetaldehyde (D.C.A.) be reported where possible)
		Fenitrothion
		Heptachlor (combined residues of heptachlor and its epoxide to be determined and expressed Milled as Heptachlor)
		Hydrogen cyanide
		Hydrogen phosphide
		Inorganic bromide (determined and expressed as total bromide from all sources)
		Hexachlorocycle hexane Gamma (Gamma) Isomer (Known as Lindane)
		Malathion (Malathion to be determined and expressed as combined residues of malathion and malaoxon)
		Chlorienvinphos
		Pyrethrins (sum of pyrethrins I & II and structurally related insecticide Ingredients of pyrethrum)
		Phosphamidon residues (expressed as the sum of phosphamidon and its desethyl derivative)
		Chlorpyrifos
		2,4D
		Ethion (Residues to be determined as ethion Tea And Its oxygen analogueand expressed as ethion)
		Monochrotophos
		Paraquat Dichloride (Determined as Paraquat cations)

Std. Nos.	Categories	Parameters
		Trichlorfon
		Thiometon (Residues determined as thiometon its sulfoxide and sulphone expressed as thiometon)
		Decamethrin / Deltamethrin
		Carbendazim
		Benomyl
		Carbofuran (sum of carbofuran and 3-hydroxy carbofuran expressed as carbofuran)
		Decamethrin / Deltamethrin
		Fenthion (sum of fenthion, its oxygen analogue and their sulphoxides and sulphones expressed as fenthion)
		Dithiocarbamates (the residue tolerance limit are determined and expressed as mg/CS2/kg and refer separately to the residues arising from any or each group of dithiocarbamates)
		Phenthoate
		Phorate (sum of Phorate, its oxygen analogue and their sulphoxides and sulphones,expressed as phorate)
		Pirimiphos-methyl
		Cypermethrin (sum of isomers) (fat soluble residue)
<b>2.4.3</b>	<b>SEMOLINA (SUJI OR RAWA)</b>	<b>General Parameters</b>
		Semolina (suji or rawa) means the product prepared from clean wheat
		Physical examination for moulds, living and dead insects, insect fragments and rodent contamination (hair, excreta) and fungus visible to the naked eye
		Musty odour and rancidity
		Test for antioxidants (BHA, TBHQ)
		Test for preservatives Sorbic Acid, Sodium/ Potassium/ Calcium sorbate expressed as Sorbic acid, Benzoic acid, Sodium/ Potassium/ benzoate expressed as Benzoic acid Sulphur di oxide etc)
		Test for added Natural colours (Curcumin, Riboflavin,Chlorophyll, Beta carotene, Carotene(Natural extract),Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours(Plain), Caramel colours(Ammonium Sulphite process)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )

Std. Nos.	Categories	Parameters
		<b>Quality Parameters</b>
		Moisture
		Total ash
		Ash insoluble in dilute HCl
		Gluten (on dry weight basis)
		Alcoholic acidity (with 90 % alcohol) expressed as H <sub>2</sub> SO <sub>4</sub> (on dry weight basis)
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Cadmium
		Zinc
		<b>Naturally occurring Toxic Substances</b>
		Aflatoxin
		Ochratoxin A
		Deoxynivalenol
		<b>Pesticides</b>
		Aldrin, dieldrin (the limits apply to aldrin and dieldrin singly or in any combination and are expressed as dieldrin)
		Carbaryl
		Chlordane (residue to be measured as cis plus trans chlordane)
		Diazinon
		Dichlorvos (content of di- chloroacetaldehyde (D.C.A.) be reported where possible)
		Fenitrothion
		Heptachlor (combined residues of heptachlor and its epoxide to be determined and expressed Milled as Heptachlor)
		Hydrogen cyanide
		Hydrogen phosphide
		Inorganic bromide (determined and expressed as total bromide from all sources)
		Hexachlorocycle hexane Gamma (Gamma) Isomer (Known as Lindane)
		Malathion (Malathion to be determined and expressed as

Std. Nos.	Categories	Parameters
		combined residues of malathion and malaoxon)
		Chlorienvinphos
		Pyrethrins (sum of pyrethrins I & II and structurally related insecticide Ingredients of pyrethrum)
		Phosphamidon residues (expressed as the sum of phosphamidon and its desethyl derivative)
		Chlorpyrifos
		2,4D
		Ethion (Residues to be determined as ethion Tea And Its oxygen analogue and expressed as ethion)
		Monochrotophos
		Paraquat Dichloride (Determined as Paraquat cations)
		Trichlorfon
		Thiometon (Residues determined as thiometon its sulfoxide and sulphone expressed as thiometon)
		Decamethrin / Deltamethrin
		Carbendazim
		Benomyl
		Carbofuran (sum of carbofuran and 3-hydroxy carbofuran expressed as carbofuran)
		Decamethrin / Deltamethrin
		Fenthion (sum of fenthion, its oxygen analogue and their sulphoxides and sulphones expressed as fenthion)
		Dithiocarbamates (the residue tolerance limit are determined and expressed as mg/CS <sup>2</sup> /kg and refer separately to the residues arising from any or each group of dithiocarbamates)
		Phenthoate
		Phorate (sum of Phorate, its oxygen analogue and their sulphoxides and sulphones, expressed as phorate)
		Pirimiphos-methyl
		Cypermethrin (sum of isomers) (fat soluble residue)
<b>2.4.4</b>	<b>BESAN</b>	<b>General Parameters</b>
		Besan means the product obtained by grinding dehusked Bengal gram ( <i>Cicer arietinum</i> ).
		Physical examination for moulds, living and dead insects, insect fragments and rodent contamination (hair, excreta) visible to the naked eye
		Musty odour and rancidity
		Test for antioxidants (BHA, TBHQ)

Std. Nos.	Categories	Parameters
		Test for preservatives Sorbic Acid, Sodium/ Potassium/ Calcium sorbate expressed as Sorbic acid, Benzoic acid, Sodium/ Potassium/ benzoate expressed as Benzoic acid Sulphur di oxide etc)
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Beta carotene, Carotene (Natural extract), Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours (Plain), Caramel colours (Ammonium Sulphite process))
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF)
		Test for foreign starch (Microscopy)
	*Use HPLC method (Food Chemistry, 101 (2007) 1290–1295)	*Test for Khesari dal flour (Presence of $\beta$ -ODAP)
		<b>Quality Parameters</b>
		Total ash
		Ash insoluble in dilute hydrochloric acid
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Cadmium
		Zinc
		<b>Naturally occurring Toxic Substances</b>
		Aflatoxin
		<b>Pesticides [As in milled food grain]</b>
		Aldrin, dieldrin (the limits apply to aldrin and dieldrin singly or in any combination and are expressed as dieldrin)
		Carbaryl
		Chlordane (residue to be measured as cis plus trans chlordane)
		Diazinon
		Dichlorvos (content of di-chloroacetaldehyde (D.C.A.) be reported where possible)
		Fenitrothion
		Heptachlor (combined residues of heptachlor and its epoxide to be determined and expressed Milled as Heptachlor)

Std. Nos.	Categories	Parameters
		Hydrogen cyanide
		Hydrogen phosphide
		Inorganic bromide (determined and expressed as total bromide from all sources)
		Hexachlorocycle hexane Gamma (Gamma) Isomer (Known as Lindane)
		Malathion (Malathion to be determined and expressed as combined residues of malathion and malaaxon)
		Chlorienvinphos
		Pyrethrins (sum of pyrethrins I & II and structurally related insecticide Ingredients of pyrethrum)
		Phosphamidon residues (expressed as the sum of phosphamidon and its desethyl derivative)
		Chlorpyrifos
		2,4D
		Ethion (Residues to be determined as ethion Tea And Its oxygen analogueand expressed as ethion)
		Monochrotophos
		Paraquat Dichloride (Determined as Paraquat cations)
		Trichlorfon
		Thiometon (Residues determined as thiometon its sulfoxide and sulphone expressed as thiometon)
		Decamethrin / Deltamethrin
		Carbendazim
		Benomyl
		Carbofuran (sum of carbofuran and 3-hydroxy carbofuran expressed as carbofuran)
		Decamethrin / Deltamethrin
		Fenthion (sum of fenthion, its oxygen analogue and their sulphoxides and sulphones expressed as fenthion)
		Dithiocarbamates (the residue tolerance limit are determined and expressed as mg/CS2/kg and refer separately to the residues arising from any or each group of dithiocarbamates)
		Phenthoate
		Phorate (sum of Phorate, its oxygen analogue and their sulphoxides and sulphones,expressed as phorate)
		Pirimiphos-methyl
<b>2.4.5</b>	<b>PEARL BARLEY (JAU)</b>	<b>General Parameters</b>

Std. Nos.	Categories	Parameters
2.4.5.1	Pearl Barley (Jau)	Pearl Barley (Jau) shall be the product obtained from sound and clean barley ( <i>Hordeum vulgare</i> or <i>Hordeum distichum</i> ).
		Physical examination for moulds, living and dead insects, fungus infestation and rodent contamination (hair, excreta) visible to the naked eye.
		Musty odour and rancidity
		Test for antioxidants (BHA, TBHQ)
		Test for preservatives Sorbic Acid, Sodium/ Potassium/ Calcium sorbate expressed as Sorbic acid, Benzoic acid, Sodium/ Potassium/ benzoate expressed as Benzoic acid Sulphur di oxide etc)
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Beta carotene, Carotene(Natural extract), Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours(Plain), Caramel colours(Ammonium Sulphite process)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		Other food grains
		<b>Quality Parameters</b>
		Barley Starch
		Total ash (on dry basis)
		Ash insoluble in dilute hydrochloric acid (on dry basis)
		Crude fibre (on dry basis)
		Alcoholic acidity (as H <sub>2</sub> SO <sub>4</sub> ) with 90 % alcohol)
		Other foodgrains
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Cadmium

Std. Nos.	Categories	Parameters
		Zinc
		<b>Naturally occurring Toxic Substances</b>
		Aflatoxin
		Ochratoxin A
		<b>Pesticides</b> [As in milled food grain]
		Aldrin, dieldrin (the limits apply to aldrin and dieldrin singly or in any combination and are expressed as dieldrin)
		Carbaryl
		Chlordane (residue to be measured as cis plus trans chlordane)
		Diazinon
		Dichlorvos (content of di- chloroacetaldehyde (D.C.A.) be reported where possible)
		Fenitrothion
		Heptachlor (combined residues of heptachlor and its epoxide to be determined and expressed Milled as Heptachlor)
		Hydrogen cyanide
		Hydrogen phosphide
		Inorganic bromide (determined and expressed as total bromide from all sources)
		Hexachlorocycle hexane Gamma (Gamma) Isomer (Known as Lindane)
		Malathion (Malathion to be determined and expressed as combined residues of malathion and malaoxon)
		Chlorienvinphos
		Pyrethrins (sum of pyrethrins I & II and structurally related insecticide Ingredients of pyrethrum)
		Phosphamidon residues (expressed as the sum of phosphamidon and its desethyl derivative)
		Chlorpyrifos
		2,4D
		Ethion (Residues to be determined as ethion Tea And Its oxygen analogueand expressed as ethion)
		Monochrotophos
		Paraquat Dichloride (Determined as Paraquat cations)
		Trichlorfon
		Thiometon (Residues determined as thiometon its sulfoxide and sulphone expressed as thiometon)
		Decamethrin / Deltamethrin
		Carbendazim
		Benomyl
		Carbofuran (sum of carbofuran and 3-hydroxy carbofuran)

Std. Nos.	Categories	Parameters
		expressed as carbofuran)
		Decamethrin / Deltamethrin
		Fenthion (sum of fenthion, its oxygen analogue and their sulphoxides and sulphones expressed as fenthion)
		Dithiocarbamates (the residue tolerance limit are determined and expressed as mg/CS2/kg and refer separately to the residues arising from any or each group of dithiocarbamates
		Phenthoate
		Phorate (sum of Phorate, its oxygen analogue and their sulphoxides and sulphones,expressed as phorate)
		Pirimiphos-methyl
		Oxydemeton methyl
<b>2.4.5.2</b>	<b>Whole Barley powder or barley flour or choker yukt jau ka churan</b>	<b>General Parameters</b>
		Wholemeal barley powder or barley flour or choker yukt jau ka churan means the product obtained by grinding clean and sound dehusked barley ( <i>Hordeum vulgare</i> or <i>Hordeum distichum</i> ) grains
		Physical examination for moulds, living and dead insects, insect fragments and rodent contamination (hair, excreta) visible to the naked eye
		Musty odour and rancidity
		Test for antioxidants (BHA, TBHQ)
		Test for preservatives Test for preservatives Sorbic Acid, Sodium/ Potassium/ Calcium sorbate expressed as Sorbic acid, Benzoic acid, Sodium/ Potassium/ benzoate expressed as Benzoic acid Sulphur di oxide etc)
		Test for added Natural colours (Curcumin, Riboflavin,Chlorophyll, Beta carotene, Carotene(Natural extract),Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours(Plain), Caramel colours(Ammonium Sulphite process)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		Test for foreign starch (Microscopy)
		<b>Quality Parameters</b>

Std. Nos.	Categories	Parameters
		Moisture
		Total ash
		Ash insoluble in dilute HCl
		Alcoholic acidity (with 90 % alcohol) expressed as H <sub>2</sub> SO <sub>4</sub> (on dry weight basis)
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Cadmium
		Zinc
		<b>Naturally occurring Toxic Substances</b>
		Aflatoxin
		Ochratoxin A
		<b>Pesticides</b> [As in milled food grain]
		Aldrin, dieldrin (the limits apply to aldrin and dieldrin singly or in any combination and are expressed as dieldrin)
		Carbaryl
		Chlordane (residue to be measured as cis plus trans chlordane)
		Diazinon
		Dichlorvos (content of di- chloroacetaldehyde (D.C.A.) be reported where possible)
		Fenitrothion
		Heptachlor (combined residues of heptachlor and its epoxide to be determined and expressed Milled as Heptachlor)
		Hydrogen cyanide
		Hydrogen phosphide
		Inorganic bromide (determined and expressed as total bromide from all sources)
		Hexachlorocycle hexane Gamma (Gamma) Isomer (Known as Lindane)
		Malathion (Malathion to be determined and expressed as combined residues of malathion and malaoxon)
		Chlorienvinphos

Std. Nos.	Categories	Parameters
		Pyrethrins (sum of pyrethrins I & II and structurally related insecticide Ingredients of pyrethrum)
		Phosphamidon residues (expressed as the sum of phosphamidon and its desethyl derivative)
		Chlorpyrifos
		2,4D
		Ethion (Residues to be determined as ethion Tea And Its oxygen analogue and expressed as ethion)
		Monochrotophos
		Paraquat Dichloride (Determined as Paraquat cations)
		Trichlorfon
		Thiometon (Residues determined as thiometon its sulfoxide and sulphone expressed as thiometon)
		Decamethrin / Deltamethrin
		Carbendazim
		Benomyl
		Carbofuran (sum of carbofuran and 3-hydroxy carbofuran expressed as carbofuran)
		Decamethrin / Deltamethrin
		Fenthion (sum of fenthion, its oxygen analogue and their sulphoxides and sulphones expressed as fenthion)
		Dithiocarbamates (the residue tolerance limit are determined and expressed as mg/CS <sub>2</sub> /kg and refer separately to the residues arising from any or each group of dithiocarbamates)
		Phenthoate
		Phorate (sum of Phorate, its oxygen analogue and their sulphoxides and sulphones, expressed as phorate)
		Pirimiphos-methyl
<b>2.4.6</b>	<b>FOOD GRAINS</b>	
		Food grains meant for human consumption shall be whole or broken kernels of cereals, millets and pulses.
<b>2.4.6.2</b>	<b>Wheat</b>	<b>General Parameters</b>
		Wheat shall be the dried mature grains of <i>Triticum aestivum</i> Linn. or <i>Triticum vulgare</i> vill, <i>Triticum drum</i> Desf., <i>Triticum sphaerococcum</i> perc., <i>Triticum dicoccum</i> schubl., <i>Triticum compactum</i> Host.
		Physical examination for moulds, living and dead insects, insect fragments and fungus visible to the naked eye
		Physical examination for poisonous toxic and/or harmful seeds (Datura, corn cockle, and Akra seeds)

Std. Nos.	Categories	Parameters
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Beta carotene, Carotene(Natural extract), Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours(Plain), Caramel colours(Ammonium Sulphite process)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		Physical examination for khesari dhal and <i>Argemone mexicana</i> seeds
		<b>Quality Parameters</b>
		Moisture
		Foreign matter(Extraneous matter)
		Other edible grains
		Damaged grains
		Weevilled grains
		Uric acid
		Total of foreign matter, other edible grains and damaged grains
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Cadmium
		Zinc
		<b>Naturally occurring Toxic Substances</b>
		Aflatoxin
		Ochratoxin A
		Deoxynivalenol
		<b>Pesticides</b> (from food grains)
		Aldrin, dieldrin (the limits apply to aldrin and dieldrin singly or in any combination and are expressed as dieldrin)
		Carbaryl
		Chlordane (residue to be measured as cis plus trans chlordane)
		Diazinon
		Dichlorvos (content of di- chloroacetaldehyde (D.C.A.) be reported where possible)
		Fenitrothion

Std. Nos.	Categories	Parameters
		Heptachlor (combined residues of heptachlor and its epoxide to be determined and expressed Milled as Heptachlor)
		Hydrogen cyanide
		Hydrogen phosphide
		Inorganic bromide (determined and expressed as total bromide from all sources)
		Hexachlorocycle hexane Gamma (Gamma) Isomer (Known as Lindane)
		Malathion (Malathion to be determined and expressed as combined residues of malathion and malaoxon)
		Chlorienvinphos
		Pyrethrins (sum of pyrethrins I & II and structurally related insecticide Ingredients of pyrethrum)
		Phosphamidon residues (expressed as the sum of phosphamidon and its desethyl derivative)
		Chlorpyrifos
		2,4D
		Ethion (Residues to be determined as ethion And Its oxygen analogue and expressed as ethion)
		Monochrotophos
		Paraquat Dichloride (Determined as Paraquat cations)
		Trichlorfon
		Thiometon (Residues determined as thiometon its sulfoxide and sulphone expressed as thiometon)
		Carbendazim
		Benomyl
		Carbofuran (sum of carbofuran and 3-hydroxy carbofuran expressed as carbofuran)
		Decamethrin / Deltamethrin
		Fenthion (sum of fenthion, its oxygen analogue and their sulphoxides and sulphones expressed as fenthion)
		Dithiocarbamates (the residue tolerance limit are determined and expressed as mg/CS2/kg and refer separately to the residues arising from any or each group of dithiocarbamates)
		Phenthoate
		Phorate (sum of Phorate, its oxygen analogue and their sulphoxides and sulphones, expressed as phorate)
		Pirimiphos-methyl
		Oxydemeton methyl
		Cypermethrin (sum of isomers) (fat soluble residue)
		Bitertanol
		Methyl Chloro-phenoxy-acetic Acid(M.C.P.A.)

Std. Nos.	Categories	Parameters
		Tridemorph
		Propiconazole
		Sulfosulfuron
		Trifluralin
		Chlorimuron-ethyl
		Diclofop-methy
		Pendimethalin
		Metasulfuron-methyl
		Methabenzthiazuron
		Triallate
		Fenoxyprop-p-ethyl
		Clodinafop-proparyl
		Triadimefon
		Isoproturon
		Tebucanazole
<b>2.4.6.3</b>	<b>Maize</b>	<b>General Parameters</b>
		Maize shall be the dried mature grains of <i>Zea mays Linn</i> . It shall be sweet, hard, clean and wholesome.
		Physical examination for moulds, living and dead insects, insect fragments and fungus visible to the naked eye
		Physical examination for poisonous toxic and/or harmful seeds (Datura, corn cockle, and Akra seeds)
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Beta carotene, Carotene (Natural extract), Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours (Plain), Caramel colours (Ammonium Sulphite process))
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF)
		Physical examination for khesari dhal and <i>Argemone mexicana</i> seeds
		<b>Quality Parameters</b>
		Moisture
		Foreign matter (Extraneous matter)
		Other edible grains
		Damaged grains
		Weevilled grains
		Uric acid
		Total of foreign matter, other edible grains and damaged grains

Std. Nos.	Categories	Parameters
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Cadmium
		Zinc
		<b>Naturally occurring Toxic Substances</b>
		Aflatoxin
		<b>Pesticides</b>
		Aldrin, dieldrin (the limits apply to aldrin and dieldrin singly or in any combination and are expressed as dieldrin)
		Carbaryl
		Chlordane (residue to be measured as cis plus trans chlordane)
		Diazinon
		Dichlorvos (content of di- chloroacetaldehyde (D.C.A.) be reported where possible)
		Fenitrothion
		Heptachlor (combined residues of heptachlor and its epoxide to be determined and expressed Milled as Heptachlor)
		Hydrogen cyanide
		Hydrogen phosphide
		Inorganic bromide (determined and expressed as total bromide from all sources)
		Hexachlorocycle hexane Gamma (Gamma) Isomer (Known as Lindane)
		Malathion (Malathion to be determined and expressed as combined residues of malathion and malaoxon)
		Chlorienvinphos
		Pyrethrins (sum of pyrethrins I & II and structurally related insecticide Ingredients of pyrethrum)
		Phosphamidon residues (expressed as the sum of phosphamidon and its desethyl derivative)
		Chlorpyrifos
		2,4D
		Ethion (Residues to be determined as ethion And Its oxygen analogue and expressed as ethion)
		Monochrotophos
		Paraquat Dichloride (Determined as Paraquat cations)

Std. Nos.	Categories	Parameters
		Trichlorfon
		Thiometon (Residues determined as thiometon its sulfoxide and sulphone expressed as thiometon)
		Carbendazim
		Benomyl
		Carbofuran (sum of carbofuran and 3-hydroxy carbofuran expressed as carbofuran)
		Decamethrin / Deltamethrin
		Fenthion (sum of fenthion, its oxygen analogue and their sulphoxides and sulphones expressed as fenthion)
		Dithiocarbamates (the residue tolerance limit are determined and expressed as mg/CS <sub>2</sub> /kg and refer separately to the residues arising from any or each group of dithiocarbamates)
		Phenthoate
		Phorate (sum of Phorate, its oxygen analogue and their sulphoxides and sulphones, expressed as phorate)
		Pirimiphos-methyl
		Oxydemeton methyl
		Atrazine
		Simazine
		Alachlor
		Diuron
		Metalyxyl
<b>2.4.6.4</b>	<b>Jawar and Bajra</b>	<b>General Parameters</b>
		Jawar and Bajra shall be the dried mature grains of <i>Sorghum vulgare pers.</i> and <i>Pennisetum - typhoideum rich</i> , respectively. These shall be sweet, hard, clean and wholesome.
		Physical examination for moulds, living and dead insects, insect fragments and fungus visible to the naked eye
		Physical examination for poisonous toxic and/or harmful seeds (Datura, corn cockle, and Akra seeds)
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Beta carotene, Carotene (Natural extract), Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours (Plain), Caramel colours (Ammonium Sulphite process))
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF)
		Physical examination for khesari dhal and <i>Argemone mexicana</i>

Std. Nos.	Categories	Parameters
		seeds
		<b>Quality Parameters</b>
		Moisture
		Foreign matter(Extraneous matter)
		Other edible grains
		Damaged grains
		Weevilled grains
		Uric acid
		Total of foreign matter, other edible grains and damaged grains
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Cadmium
		Zinc
		<b>Naturally occurring Toxic Substances</b>
		Aflatoxin
		<b>Pesticides</b>
		Aldrin, dieldrin (the limits apply to aldrin and dieldrin singly or in any combination and are expressed as dieldrin)
		Carbaryl
		Chlordane (residue to be measured as cis plus trans chlordane)
		Diazinon
		Dichlorvos (content of di- chloroacetaldehyde (D.C.A.) be reported where possible)
		Fenitrothion
		Heptachlor (combined residues of heptachlor and its epoxide to be determined and expressed Milled as Heptachlor)
		Hydrogen cyanide
		Hydrogen phosphide
		Inorganic bromide (determined and expressed as total bromide from all sources)
		Hexachlorocycle hexane Gamma (Gamma) Isomer (Known as Lindane)
		Malathion (Malathion to be determined and expressed as combined residues of malathion and malaoxon)
		Chlorienvinphos
		Pyrethrins (sum of pyrethrins I & II and structurally related

Std. Nos.	Categories	Parameters
		insecticide Ingredients of pyrethrum)
		Phosphamidon residues (expressed as the sum of phosphamidon and its desethyl derivative)
		Chlorpyrifos
		2,4D
		Ethion (Residues to be determined as ethion And Its oxygen analogue and expressed as ethion)
		Monochrotophos
		Paraquat Dichloride (Determined as Paraquat cations)
		Trichlorfon
		Thiometon (Residues determined as thiometon its sulfoxide and sulphone expressed as thiometon)
		Carbendazim
		Benomyl
		Carbofuran (sum of carbofuran and 3-hydroxy carbofuran expressed as carbofuran)
		Decamethrin / Deltamethrin
		Fenthion (sum of fenthion, its oxygen analogue and their sulphoxides and sulphones expressed as fenthion)
		Dithiocarbamates (the residue tolerance limit are determined and expressed as mg/CS <sub>2</sub> /kg and refer separately to the residues arising from any or each group of dithiocarbamates
		Phenthoate
		Phorate (sum of Phorate, its oxygen analogue and their sulphoxides and sulphones, expressed as phorate)
		Pirimiphos-methyl
		Oxydemeton methyl
		Metalyxyl (for Bajra only)
<b>2.4.6.5</b>	<b>Rice</b>	<b>General Parameters</b>
		Rice shall be the mature kernels or pieces of kernels of <i>Oryza sativa Linn.</i> obtained from paddy as raw or par boiled. It shall be dry, sweet, hard, clean and wholesome and free from unwholesome poisonous substances.
		Physical examination for moulds, living and dead insects, insect fragments and fungus visible to the naked eye
		Physical examination for poisonous toxic and/or harmful seeds (Datura, corn cockle, and Akra seeds)
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Beta carotene, Carotene (Natural extract), Annatto extract (Bixin),

Std. Nos.	Categories	Parameters
		Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours(Plain), Caramel colours(Ammonium Sulphite process)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		Physical examination for khesari dhal and <i>Argemone mexicana</i> seeds
		<b>Quality Parameters</b>
		Moisture
		Foreign matter(Extraneous matter)
		Damaged grains
		Weevilled grains
		Uric acid
		Total of foreign matter, and damaged grains
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Cadmium
		Zinc
		<b>Naturally occurring Toxic Substances</b>
		Aflatoxin
		<b>Pesticides</b>
		Aldrin, dieldrin (the limits apply to aldrin and dieldrin singly or in any combination and are expressed as dieldrin)
		Carbaryl
		Chlordane (residue to be measured as cis plus trans chlordane)
		Diazinon
		Dichlorvos (content of di- chloroacetaldehyde (D.C.A.) be reported where possible)
		Fenitrothion
		Heptachlor (combined residues of heptachlor and its epoxide to be determined and expressed Milled as Heptachlor)
		Hydrogen cyanide
		Hydrogen phosphide
		Inorganic bromide (determined and expressed as total bromide from all sources)

Std. Nos.	Categories	Parameters
		Hexachlorocyclohexane and its isomers
		Alpha-Isomer
		Beta-Isomer
		Gamma (Gamma) Isomer (Known as Lindane)
		Delta Isomer
		Malathion (Malathion to be determined and expressed as combined residues of malathion and malaoxon)
		Chlorienvinphos
		Pyrethrins (sum of pyrethrins I & II and structurally related insecticide Ingredients of pyrethrum)
		Phosphamidon residues (expressed as the sum of phosphamidon and its desethyl derivative)
		Chlorpyrifos
		2,4D
		Ethion (Residues to be determined as ethion And its oxygen analogue and expressed as ethion)
		Monochrotophos
		Paraquat Dichloride (Determined as Paraquat cations)
		Trichlorfon
		Thiometon (Residues determined as thiometon its sulfoxide and sulphone expressed as thiometon)
		Carbendazim
		Benomyl
		Carbofuran (sum of carbofuran and 3-hydroxy carbofuran expressed as carbofuran)
		Decamethrin / Deltamethrin
		Edifenphos
		Fenthion (sum of fenthion, its oxygen analogue and their sulphoxides and sulphones expressed as fenthion)
		Dithiocarbamates (the residue tolerance limit are determined and expressed as mg/CS <sub>2</sub> /kg and refer separately to the residues arising from any or each group of dithiocarbamates)
		Phenthoate
		Phorate (sum of Phorate, its oxygen analogue and their sulphoxides and sulphones, expressed as phorate)
		Pirimiphos-methyl
		Oxydemeton methyl
		Cartaphydrochloride
		Methyl Chloro-phenoxy-acetic Acid(M.C.P.A.)
		Oxadiazon
		Quinolphos

Std. Nos.	Categories	Parameters
		Triazophos
		Ethoxysulfuron
		Oxyfluorfen
		Iprodione
		Carbosulfan
		Tricyclazole
		Imidacloprid
		Butachlor
		Pendimethalin
		Pretilachlor
		Cyhalofop-butyl
		Thiamethoxam
		Fenobucarb
		Anilophos
		Kitazin
		Isoprothiolane
		Ethofenprox
		Benfuracarb
		Flufenacet
		Buprofezin
		Oxadiargyl
		Pyrazosulfuron ethyl
		Clomazone
		Thiochlorprid
		Carpropamid
<b>2.4.6.6</b>	<b>Masur whole</b>	<b>General Parameters</b>
		Masur whole shall consist of lentil ( <i>Lens culinaris Medik</i> or even <i>Lens Linn.</i> or <i>Lens esculenta Moench</i> ). It shall be sound, dry, sweet, clean and wholesome.
		Physical examination for moulds, living and dead insects, insect fragments and fungus visible to the naked eye
		Physical examination for poisonous toxic and/or harmful seeds (Datura, corn cockle, and Akra seeds)
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Beta carotene, Carotene (Natural extract), Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours (Plain), Caramel colours (Ammonium Sulphite process)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue

Std. Nos.	Categories	Parameters
		FCF, Fast green FCF )
		Physical examination for khesari dhal and <i>Argemone mexicana</i> seeds
		<b>Quality Parameters</b>
		Moisture
		Foreign matter (Extraneous matter)
		Other edible grains
		Damaged grains
		Weevilled grains
		Uric acid
		Total of foreign matter, other edible grains and damaged grains
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Cadmium
		Zinc
		<b>Naturally occurring Toxic Substances</b>
		Aflatoxin
		<b>Pesticides</b>
		Aldrin, dieldrin (the limits apply to aldrin and dieldrin singly or in any combination and are expressed as dieldrin)
		Carbaryl
		Chlordane (residue to be measured as cis plus trans chlordane)
		Diazinon
		Dichlorvos (content of di-chloroacetaldehyde (D.C.A.) be reported where possible)
		Fenitrothion
		Heptachlor (combined residues of heptachlor and its epoxide to be determined and expressed Milled as Heptachlor)
		Hydrogen cyanide
		Hydrogen phosphide
		Inorganic bromide (determined and expressed as total bromide from all sources)
		Hexachlorocyclohexane Gamma (Gamma) Isomer (Known as Lindane)
		Malathion (Malathion to be determined and expressed as combined residues of malathion and malaoxon)

Std. Nos.	Categories	Parameters
		Chlorienvinphos
		Pyrethrins (sum of pyrethrins I & II and structurally related insecticide Ingredients of pyrethrum)
		Phosphamidon residues (expressed as the sum of phosphamidon and its desethyl derivative)
		Chlorpyrifos
		2,4D
		Ethion (Residues to be determined as ethion And Its oxygen analogueand expressed as ethion)
		Monochrotophos
		Paraquat Dichloride (Determined as Paraquat cations)
		Trichlorfon
		Thiometon (Residues determined as thiometon its sulfoxide and sulphone expressed as thiometon)
		Carbendazim
		Benomyl
		Carbofuran (sum of carbofuran and 3-hydroxy carbofuran expressed as carbofuran)
		Decamethrin / Deltamethrin
		Fenthion (sum of fenthion, its oxygen analogue and their sulphoxides and sulphones expressed as fenthion)
		Dithiocarbamates (the residue tolerance limit are determined and expressed as mg/CS2/kg and refer separately to the residues arising from any or each group of dithiocarbamates)
		Phenthoate
		Phorate (sum of Phorate, its oxygen analogue and their sulphoxides and sulphones,expressed as phorate)
		Pirimiphos-methyl
		Oxydemeton methyl
<b>2.4.6.7</b>	<b>Urd whole</b>	<b>General Parameters</b>
		Urd whole shall consist of seeds of the pulses ( <i>Phaseolus mungo Linn</i> ). It shall be sound, dry, sweet, and wholesome.
		Physical examination for moulds, living and dead insects, insect fragments and fungus visible to the naked eye
		Physical examination for poisonous toxic and/or harmful seeds (Dhatura, corn cockle, and Akra seeds)
		Test for added Natural colours (Curcumin, Riboflavin,Chlorophyll, Beta carotene, Carotene(Natural extract),Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours(Plain), Caramel colours(Ammonium Sulphite process)

Std. Nos.	Categories	Parameters
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		Physical examination for khesari dhal and <i>Argemone mexicana</i> seeds
		<b>Quality Parameters</b>
		Moisture
		Foreign matter(Extraneous matter)
		Other edible grains
		Damaged grains
		Weevilled grains
		Uric acid
		Total of foreign matter, other edible grains and damaged grains
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Cadmium
		Zinc
		<b>Naturally occurring Toxic Substances</b>
		Aflatoxin
		<b>Pesticides</b>
		Aldrin, dieldrin (the limits apply to aldrin and dieldrin singly or in any combination and are expressed as dieldrin)
		Carbaryl
		Chlordane (residue to be measured as cis plus trans chlordane)
		Diazinon
		Dichlorvos (content of di- chloroacetaldehyde (D.C.A.) be reported where possible)
		Fenitrothion
		Heptachlor (combined residues of heptachlor and its epoxide to be determined and expressed Milled as Heptachlor)
		Hydrogen cyanide
		Hydrogen phosphide
		Inorganic bromide (determined and expressed as total bromide from all sources)
		Hexachlorocycle hexane Gamma (Gamma) Isomer (Known as Lindane)

Std. Nos.	Categories	Parameters
		Malathion (Malathion to be determined and expressed as combined residues of malathion and malaoxon)
		Chlorienvinphos
		Pyrethrins (sum of pyrethrins I & II and structurally related insecticide Ingredients of pyrethrum)
		Phosphamidon residues (expressed as the sum of phosphamidon and its desethyl derivative)
		Chlorpyrifos
		2,4D
		Ethion (Residues to be determined as ethion And Its oxygen analogueand expressed as ethion)
		Monochrotophos
		Paraquat Dichloride (Determined as Paraquat cations)
		Trichlorfon
		Thiometon (Residues determined as thiometon its sulfoxide and sulphone expressed as thiometon)
		Carbendazim
		Benomyl
		Carbofuran (sum of carbofuran and 3-hydroxy carbofuran expressed as carbofuran)
		Decamethrin / Deltamethrin
		Fenthion (sum of fenthion, its oxygen analogue and their sulphoxides and sulphones expressed as fenthion)
		Dithiocarbamates (the residue tolerance limit are determined and expressed as mg/CS2/kg and refer separately to the residues arising from any or each group of dithiocarbamates)
		Phenthoate
		Phorate (sum of Phorate, its oxygen analogue and their sulphoxides and sulphones,expressed as phorate)
		Pirimiphos-methyl
		Oxydemeton methyl
<b>2.4.6.8</b>	<b>Moong whole</b>	<b>General Parameters</b>
		Moong whole shall consist of seeds of green gram ( <i>Phaseolous aureus Roxb.</i> , <i>Phaseolus radiatus Roxb.</i> ). It shall be sound, dry, sweet, and wholesome and free from admixture of unwholesome substances.
		Physical examination for moulds, living and dead insects, insect fragments and fungus visible to the naked eye
		Physical examination for poisonous toxic and/or harmful seeds (Datura, corn cockle, and Akra seeds)
		Test for added Natural colours (Curcumin, Riboflavin,Chlorophyll,

Std. Nos.	Categories	Parameters
		Beta carotene, Carotene(Natural extract),Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours(Plain), Caramel colours(Ammonium Sulphite process)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		Physical examination for khesari dhal and <i>Argemone mexicana</i> seeds
		<b>Quality Parameters</b>
		Moisture
		Foreign matter(Extraneous matter)
		Other edible grains
		Damaged grains
		Weevilled grains
		Uric acid
		Total of foreign matter, other edible grains and damaged grains
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Cadmium
		Zinc
		<b>Naturally occurring Toxic Substances</b>
		Aflatoxin
		<b>Pesticides</b>
		Aldrin, dieldrin (the limits apply to aldrin and dieldrin singly or in any combination and are expressed as dieldrin)
		Carbaryl
		Chlordane (residue to be measured as cis plus trans chlordane)
		Diazinon
		Dichlorvos (content of di- chloroacetaldehyde (D.C.A.) be reported where possible)
		Fenitrothion
		Heptachlor (combined residues of heptachlor and its epoxide to be determined and expressed Milled as Heptachlor)
		Hydrogen cyanide
		Hydrogen phosphide

Std. Nos.	Categories	Parameters
		Inorganic bromide (determined and expressed as total bromide from all sources)
		Hexachlorocyclohexane Gamma (Gamma) Isomer (Known as Lindane)
		Malathion (Malathion to be determined and expressed as combined residues of malathion and malaoxon)
		Chlorienvinphos
		Pyrethrins (sum of pyrethrins I & II and structurally related insecticide Ingredients of pyrethrum)
		Phosphamidon residues (expressed as the sum of phosphamidon and its desethyl derivative)
		Chlorpyrifos
		2,4D
		Ethion (Residues to be determined as ethion And Its oxygen analogue and expressed as ethion)
		Monochrotophos
		Paraquat Dichloride (Determined as Paraquat cations)
		Trichlorfon
		Thiometon (Residues determined as thiometon its sulfoxide and sulphone expressed as thiometon)
		Carbendazim
		Benomyl
		Carbofuran (sum of carbofuran and 3-hydroxy carbofuran expressed as carbofuran)
		Decamethrin / Deltamethrin
		Fenthion (sum of fenthion, its oxygen analogue and their sulphoxides and sulphones expressed as fenthion)
		Dithiocarbamates (the residue tolerance limit are determined and expressed as mg/CS <sup>2</sup> /kg and refer separately to the residues arising from any or each group of dithiocarbamates)
		Phenthoate
		Phorate (sum of Phorate, its oxygen analogue and their sulphoxides and sulphones, expressed as phorate)
		Pirimiphos-methyl
		Oxydemeton methyl
<b>2.4.6.9</b>	<b>Channa whole</b>	<b>General Parameters</b>
		Channa whole shall be the dried grains of gram ( <i>Cicer arietinum Linn.</i> ). It shall be sound, clean, sweet, wholesome and free from unwholesome substances.
		Physical examination for moulds, living and dead insects, insect fragments and fungus visible to the naked eye

Std. Nos.	Categories	Parameters
		Physical examination for poisonous toxic and/or harmful seeds (Dhatura, corn cockle, and Akra seeds)
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Beta carotene, Carotene (Natural extract), Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours (Plain), Caramel colours (Ammonium Sulphite process))
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF)
		Physical examination for khesari dhal and <i>Argemone mexicana</i> seeds
		<b>Quality Parameters</b>
		Moisture
		Foreign matter (Extraneous matter)
		Other edible grains
		Damaged grains
		Weevilled grains
		Uric acid
		Total of foreign matter, other edible grains and damaged grains
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Cadmium
		Zinc
		<b>Naturally occurring Toxic Substances</b>
		Aflatoxin
		<b>Pesticides</b>
		Aldrin, dieldrin (the limits apply to aldrin and dieldrin singly or in any combination and are expressed as dieldrin)
		Carbaryl
		Chlordane (residue to be measured as cis plus trans chlordane)
		Diazinon
		Dichlorvos (content of di-chloroacetaldehyde (D.C.A.) be reported where possible)
		Fenitrothion
		Heptachlor (combined residues of heptachlor and its epoxide to be

Std. Nos.	Categories	Parameters
		determined and expressed Milled as Heptachlor)
		Hydrogen cyanide
		Hydrogen phosphide
		Inorganic bromide (determined and expressed as total bromide from all sources)
		Hexachlorocycle hexane Gamma (Gamma) Isomer (Known as Lindane)
		Malathion (Malathion to be determined and expressed as combined residues of malathion and malaosxon)
		Chlorienvinphos
		Pyrethrins (sum of pyrethrins I & II and structurally related insecticide Ingredients of pyrethrum)
		Phosphamidon residues (expressed as the sum of phosphamidon and its desethyl derivative)
		Chlorpyrifos
		2,4D
		Ethion (Residues to be determined as ethion And Its oxygen analogueand expressed as ethion)
		Monochrotophos
		Paraquat Dichloride (Determined as Paraquat cations)
		Trichlorfon
		Thiometon (Residues determined as thiometon its sulfoxide and sulphone expressed as thiometon)
		Carbendazim
		Benomyl
		Carbofuran (sum of carbofuran and 3-hydroxy carbofuran expressed as carbofuran)
		Decamethrin / Deltamethrin
		Fenthion (sum of fenthion, its oxygen analogue and their sulphoxides and sulphones expressed as fenthion)
		Dithiocarbamates (the residue tolerance limit are determined and expressed as mg/CS2/kg and refer separately to the residues arising from any or each group of dithiocarbamates)
		Phenthoate
		Phorate (sum of Phorate, its oxygen analogue and their sulphoxides and sulphones,expressed as phorate)
		Pirimiphos-methyl
		Oxydemeton methyl
		Endosulfan (residues are measured and reported as total of endosulfan A and B and endosulfan-sulphate)
2.4.6.10	Split pulse (Dal)	General Parameters

Std. Nos.	Categories	Parameters
	<b>Arhar</b>	
		Dal Arhar shall consist of husk and split seeds of red gram ( <i>Cajanus cajan</i> (L) Millsp). It shall be sound, clean, sweet, wholesome and free from unwholesome substances.
		Physical examination for moulds, living and dead insects, insect fragments and fungus visible to the naked eye
		Physical examination for poisonous toxic and/or harmful seeds (Dhatura, corn cockle, and Akra seeds)
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Beta carotene, Carotene (Natural extract), Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours (Plain), Caramel colours (Ammonium Sulphite process)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		Physical examination for khesari dhal and <i>Argemone mexicana</i> seeds
		<b>Quality Parameters</b>
		Moisture
		Foreign matter (Extraneous matter)
		Other edible grains
		Damaged grains
		Weevilled grains
		Uric acid
		Total of foreign matter, other edible grains and damaged grains
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Cadmium
		Zinc
		<b>Naturally occurring Toxic Substances</b>
		Aflatoxin
		<b>Pesticides</b>
		Aldrin, dieldrin (the limits apply to aldrin and dieldrin singly or in any combination and are expressed as dieldrin)
		Carbaryl

Std. Nos.	Categories	Parameters
		Chlordane (residue to be measured as cis plus trans chlordane)
		Diazinon
		Dichlorvos (content of di- chloroacetaldehyde (D.C.A.) be reported where possible)
		Fenitrothion
		Heptachlor (combined residues of heptachlor and its epoxide to be determined and expressed Milled as Heptachlor)
		Hydrogen cyanide
		Hydrogen phosphide
		Inorganic bromide (determined and expressed as total bromide from all sources)
		Hexachlorocycle hexane Gamma (Gamma) Isomer (Known as Lindane)
		Malathion (Malathion to be determined and expressed as combined residues of malathion and malaoxon)
		Chlorienvinphos
		Pyrethrins (sum of pyrethrins I & II and structurally related insecticide Ingredients of pyrethrum)
		Phosphamidon residues (expressed as the sum of phosphamidon and its desethyl derivative)
		Chlorpyrifos
		2,4D
		Ethion (Residues to be determined as ethion And Its oxygen analogue and expressed as ethion)
		Monochrotophos
		Paraquat Dichloride (Determined as Paraquat cations)
		Trichlorfon
		Thiometon (Residues determined as thiometon its sulfoxide and sulphone expressed as thiometon)
		Carbendazim
		Benomyl
		Carbofuran (sum of carbofuran and 3-hydroxy carbofuran expressed as carbofuran)
		Decamethrin / Deltamethrin
		Fenthion (sum of fenthion, its oxygen analogue and their sulphoxides and sulphones expressed as fenthion)
		Dithiocarbamates (the residue tolerance limit are determined and expressed as mg/CS2/kg and refer separately to the residues arising from any or each group of dithiocarbamates)
		Phenthoate
		Phorate (sum of Phorate, its oxygen analogue and their sulphoxides and sulphones, expressed as phorate)

Std. Nos.	Categories	Parameters
		Pirimiphos-methyl
		Oxydemeton methyl
		Quinolphos
		Endosulfan (residues are measured and reported as total of endosulfan A and B and endosulfan-sulphate)
		Benfuracarb
2.4.6.11	Split pulse (DAL) Moong	<b>General Parameters</b>
		Dal Moong shall consist of split seeds of green grams ( <i>Phaseolus aureus</i> Roxb, <i>Phaseolus radiatus</i> ). It shall be sound, clean, sweet, wholesome and free from unwholesome substances.
		Physical examination for moulds, living and dead insects, insect fragments and fungus visible to the naked eye
		Physical examination for poisonous toxic and/or harmful seeds (Datura, corn cockle, and Akra seeds)
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Beta carotene, Carotene (Natural extract), Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours (Plain), Caramel colours (Ammonium Sulphite process)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF)
		Physical examination for khesari dhal and <i>Argemone mexicana</i> seeds
		<b>Quality Parameters</b>
		Moisture
		Foreign matter (Extraneous matter)
		Other edible grains
		Damaged grains
		Weevilled grains
		Uric acid
		Total of foreign matter, other edible grains and damaged grains
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Cadmium

Std. Nos.	Categories	Parameters
		Zinc
		<b>Naturally occurring Toxic Substances</b>
		Aflatoxin
		<b>Pesticides</b>
		Aldrin, dieldrin (the limits apply to aldrin and dieldrin singly or in any combination and are expressed as dieldrin)
		Carbaryl
		Chlordane (residue to be measured as cis plus trans chlordane)
		Diazinon
		Dichlorvos (content of di- chloroacetaldehyde (D.C.A.) be reported where possible)
		Fenitrothion
		Heptachlor (combined residues of heptachlor and its epoxide to be determined and expressed Milled as Heptachlor)
		Hydrogen cyanide
		Hydrogen phosphide
		Inorganic bromide (determined and expressed as total bromide from all sources)
		Hexachlorocycle hexane Gamma (Gamma) Isomer (Known as Lindane)
		Malathion (Malathion to be determined and expressed as combined residues of malathion and malaoxon)
		Chlorienvinphos
		Pyrethrins (sum of pyrethrins I & II and structurally related insecticide Ingredients of pyrethrum)
		Phosphamidon residues (expressed as the sum of phosphamidon and its desethyl derivative)
		Chlorpyrifos
		2,4D
		Ethion (Residues to be determined as ethion And Its oxygen analogue and expressed as ethion)
		Monochrotophos
		Paraquat Dichloride (Determined as Paraquat cations)
		Trichlorfon
		Thiometon (Residues determined as thiometon its sulfoxide and sulphone expressed as thiometon)
		Carbendazim
		Benomyl
		Carbofuran (sum of carbofuran and 3-hydroxy carbofuran expressed as carbofuran)
		Decamethrin / Deltamethrin

Std. Nos.	Categories	Parameters
		Fenthion (sum of fenthion, its oxygen analogue and their sulphoxides and sulphones expressed as fenthion)
		Dithiocarbamates (the residue tolerance limit are determined and expressed as mg/CS2/kg and refer separately to the residues arising from any or each group of dithiocarbamates)
		Phenthoate
		Phorate (sum of Phorate, its oxygen analogue and their sulphoxides and sulphones, expressed as phorate)
		Pirimiphos-methyl
		Oxydemeton methyl
<b>2.4.6.12</b>	<b>Split pulse (DAL) Urad</b>	<b>General Parameters</b>
		Dal Urd shall consist of split seeds of pulse ( <i>Phaseolus mungo Linn.</i> ). It shall be sound, dry, sweet, wholesome and free from unwholesome substances
		Physical examination for moulds, living and dead insects, insect fragments and fungus visible to the naked eye
		Physical examination for poisonous toxic and/or harmful seeds (Dhatura, corn cockle, and Akra seeds)
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Beta carotene, Carotene (Natural extract), Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours (Plain), Caramel colours (Ammonium Sulphite process)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF)
		Physical examination for khesari dhal and <i>Argemone mexicana</i> seeds
		<b>Quality Parameters</b>
		Moisture
		Foreign matter (Extraneous matter)
		Other edible grains
		Damaged grains
		Weevilled grains
		Uric acid
		Total of foreign matter, other edible grains and damaged grains
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic

Std. Nos.	Categories	Parameters
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Cadmium
		Zinc
		<b>Naturally occurring Toxic Substances</b>
		Aflatoxin
		<b>Pesticides</b>
		Aldrin, dieldrin (the limits apply to aldrin and dieldrin singly or in any combination and are expressed as dieldrin)
		Carbaryl
		Chlordane (residue to be measured as cis plus trans chlordane)
		Diazinon
		Dichlorvos (content of di- chloroacetaldehyde (D.C.A.) be reported where possible)
		Fenitrothion
		Heptachlor (combined residues of heptachlor and its epoxide to be determined and expressed Milled as Heptachlor)
		Hydrogen cyanide
		Hydrogen phosphide
		Inorganic bromide (determined and expressed as total bromide from all sources)
		Hexachlorocycle hexane Gamma (Gamma) Isomer (Known as Lindane)
		Malathion (Malathion to be determined and expressed as combined residues of malathion and malaoxon)
		Chlorienvinphos
		Pyrethrins (sum of pyrethrins I & II and structurally related insecticide Ingredients of pyrethrum)
		Phosphamidon residues (expressed as the sum of phosphamidon and its desethyl derivative)
		Chlorpyrifos
		2,4D
		Ethion (Residues to be determined as ethion And Its oxygen analogueand expressed as ethion)
		Monochrotophos
		Paraquat Dichloride (Determined as Paraquat cations)
		Trichlorfon
		Thiometon (Residues determined as thiometon its sulfoxide and sulphone expressed as thiometon)
		Carbendazim

Std. Nos.	Categories	Parameters
		Benomyl
		Carbofuran (sum of carbofuran and 3-hydroxy carbofuran expressed as carbofuran)
		Decamethrin / Deltamethrin
		Fenthion (sum of fenthion, its oxygen analogue and their sulphoxides and sulphones expressed as fenthion)
		Dithiocarbamates (the residue tolerance limit are determined and expressed as mg/CS2/kg and refer separately to the residues arising from any or each group of dithiocarbamates)
		Phenthoate
		Phorate (sum of Phorate, its oxygen analogue and their sulphoxides and sulphones, expressed as phorate)
		Pirimiphos-methyl
		Oxydemeton methyl
<b>2.4.6.13</b>	<b>Dal Chana</b>	<b>General Parameters</b>
		Dal Chana shall consist of split grains of gram ( <i>Cicer arietinum Linn</i> ). It shall be sound, clean, sweet, dry, wholesome and free from unwholesome substances.
		Physical examination for moulds, living and dead insects, insect fragments and fungus visible to the naked eye
		Physical examination for poisonous toxic and/or harmful seeds (Datura, corn cockle, and Akra seeds)
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Beta carotene, Carotene (Natural extract), Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours (Plain), Caramel colours (Ammonium Sulphite process)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF)
		Physical examination for khesari dhal and <i>Argemone mexicana</i> seeds
		<b>Quality Parameters</b>
		Moisture
		Foreign matter (Extraneous matter)
		Other edible grains
		Damaged grains
		Weevilled grains
		Uric acid
		Total of foreign matter, other edible grains and damaged grains
		<b>Metal Contaminants</b>

Std. Nos.	Categories	Parameters
		Lead
		Copper
		Arsenic
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Cadmium
		Zinc
		<b>Naturally occurring Toxic Substances</b>
		Aflatoxin
		<b>Pesticides</b>
		Aldrin, dieldrin (the limits apply to aldrin and dieldrin singly or in any combination and are expressed as dieldrin)
		Carbaryl
		Chlordane (residue to be measured as cis plus trans chlordane)
		Diazinon
		Dichlorvos (content of di- chloroacetaldehyde (D.C.A.) be reported where possible)
		Fenitrothion
		Heptachlor (combined residues of heptachlor and its epoxide to be determined and expressed Milled as Heptachlor)
		Hydrogen cyanide
		Hydrogen phosphide
		Inorganic bromide (determined and expressed as total bromide from all sources)
		Hexachlorocycle hexane Gamma (Gamma) Isomer (Known as Lindane)
		Malathion (Malathion to be determined and expressed as combined residues of malathion and malaaxon)
		Chlorienvinphos
		Pyrethrins (sum of pyrethrins I & II and structurally related insecticide Ingredients of pyrethrum)
		Phosphamidon residues (expressed as the sum of phosphamidon and its desethyl derivative)
		Chlorpyrifos
		2,4D
		Ethion (Residues to be determined as ethion And Its oxygen analogueand expressed as ethion)
		Monochrotophos
		Paraquat Dichloride (Determined as Paraquat cations)
		Trichlorfon

Std. Nos.	Categories	Parameters
		Thiometon (Residues determined as thiometon its sulfoxide and sulphone expressed as thiometon)
		Carbendazim
		Benomyl
		Carbofuran (sum of carbofuran and 3-hydroxy carbofuran expressed as carbofuran)
		Decamethrin / Deltamethrin
		Fenthion (sum of fenthion, its oxygen analogue and their sulphoxides and sulphones expressed as fenthion)
		Dithiocarbamates (the residue tolerance limit are determined and expressed as mg/CS2/kg and refer separately to the residues arising from any or each group of dithiocarbamates)
		Phenthoate
		Phorate (sum of Phorate, its oxygen analogue and their sulphoxides and sulphones,expressed as phorate)
		Pirimiphos-methyl
		Oxydemeton methyl
		Endosulfan (residues are measured and reported as total of endosulfan A and B ) endosulfan-sulphate)
<b>2.4.6.14</b>	<b>Split Pulse Masoor</b>	<b>General Parameters</b>
		Dal masur shall consist of dehusked whole and split seed of the lentil ( <i>Lens esculenta Moench</i> or <i>Lens culinaris Medik</i> or <i>Ervum lens Linn</i> ). It shall be sound, clean, dry, sweet, wholesome and free from unwholesome substances
		Physical examination for moulds, living and dead insects, insect fragments and fungus visible to the naked eye
		Physical examination for poisonous toxic and/or harmful seeds (Datura, corn cockle, and Akra seeds)
		Test for added Natural colours (Curcumin, Riboflavin,Chlorophyll, Beta carotene, Carotene(Natural extract),Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours(Plain), Caramel colours(Ammonium Sulphite process)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		Physical examination for khesari dhal and <i>Argemone mexicana</i> seeds
		<b>Quality Parameters</b>
		Moisture
		Foreign matter (Extraneous matter)

Std. Nos.	Categories	Parameters
		Other edible grains
		Damaged grains
		Weevilled grains
		Uric acid
		Total of foreign matter, other edible grains and damaged grains
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Cadmium
		Zinc
		<b>Naturally occurring Toxic Substances</b>
		Aflatoxin
		<b>Pesticides</b>
		Aldrin, dieldrin (the limits apply to aldrin and dieldrin singly or in any combination and are expressed as dieldrin)
		Carbaryl
		Chlordane (residue to be measured as cis plus trans chlordane)
		Diazinon
		Dichlorvos (content of di- chloroacetaldehyde (D.C.A.) be reported where possible)
		Fenitrothion
		Heptachlor (combined residues of heptachlor and its epoxide to be determined and expressed Milled as Heptachlor)
		Hydrogen cyanide
		Hydrogen phosphide
		Inorganic bromide (determined and expressed as total bromide from all sources)
		Hexachlorocycle hexane Gamma (Gamma) Isomer (Known as Lindane)
		Malathion (Malathion to be determined and expressed as combined residues of malathion and malaaxon)
		Chlorienvinphos
		Pyrethrins (sum of pyrethrins I & II and structurally related insecticide Ingredients of pyrethrum)
		Phosphamidon residues (expressed as the sum of phosphamidon and its desethyl derivative)
		Chlorpyrifos

Std. Nos.	Categories	Parameters
		2,4D
		Ethion (Residues to be determined as ethion And Its oxygen analogue and expressed as ethion)
		Monochrotophos
		Paraquat Dichloride (Determined as Paraquat cations)
		Trichlorfon
		Thiometon (Residues determined as thiometon its sulfoxide and sulphone expressed as thiometon)
		Carbendazim
		Benomyl
		Carbofuran (sum of carbofuran and 3-hydroxy carbofuran expressed as carbofuran)
		Decamethrin / Deltamethrin
		Fenthion (sum of fenthion, its oxygen analogue and their sulphoxides and sulphones expressed as fenthion)
		Dithiocarbamates (the residue tolerance limit are determined and expressed as mg/CS <sup>2</sup> /kg and refer separately to the residues arising from any or each group of dithiocarbamates)
		Phenthoate
		Phorate (sum of Phorate, its oxygen analogue and their sulphoxides and sulphones, expressed as phorate)
		Pirimiphos-methyl
		Oxydemeton methyl
<b>2.4.6.15</b>	<b>Any other food grains</b>	<b>General Parameters</b>
		Physical examination for moulds, living and dead insects, insect fragments and fungus visible to the naked eye
		Physical examination for poisonous toxic and/or harmful seeds (Datura, corn cockle, and Akra seeds)
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Beta carotene, Carotene (Natural extract), Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours (Plain), Caramel colours (Ammonium Sulphite process)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF)
		Physical examination for khesari dhal and <i>Argemone mexicana</i> seeds
		<b>Quality Parameters</b>
		Moisture

Std. Nos.	Categories	Parameters
		Foreign matter (Extraneous matter)
		Other edible grains
		Damaged grains
		Weevilled grains
		Uric acid
		Total of foreign matter, other edible grains and damaged grains
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Cadmium
		Zinc
		<b>Naturally occurring Toxic Substances</b>
		Aflatoxin
		<b>Pesticides</b>
		Aldrin, dieldrin (the limits apply to aldrin and dieldrin singly or in any combination and are expressed as dieldrin)
		Carbaryl
		Chlordane (residue to be measured as cis plus trans chlordane)
		Diazinon
		Dichlorvos (content of di- chloroacetaldehyde (D.C.A.) be reported where possible)
		Fenitrothion
		Heptachlor (combined residues of heptachlor and its epoxide to be determined and expressed Milled as Heptachlor)
		Hydrogen cyanide
		Hydrogen phosphide
		Inorganic bromide (determined and expressed as total bromide from all sources)
		Hexachlorocycle hexane Gamma (Gamma) Isomer (Known as Lindane)
		Malathion (Malathion to be determined and expressed as combined residues of malathion and malaoxon)
		Chlorienvinphos
		Pyrethrins (sum of pyrethrins I & II and structurally related insecticide Ingredients of pyrethrum)
		Phosphamidon residues (expressed as the sum of phosphamidon and its desethyl derivative)

Std. Nos.	Categories	Parameters
		Chlorpyrifos
		2,4D
		Ethion (Residues to be determined as ethion And Its oxygen analogue and expressed as ethion)
		Monochrotophos
		Paraquat Dichloride (Determined as Paraquat cations)
		Trichlorfon
		Thiometon (Residues determined as thiometon its sulfoxide and sulphone expressed as thiometon)
		Carbendazim
		Benomyl
		Carbofuran (sum of carbofuran and 3-hydroxy carbofuran expressed as carbofuran)
		Decamethrin / Deltamethrin
		Fenthion (sum of fenthion, its oxygen analogue and their sulphoxides and sulphones expressed as fenthion)
		Dithiocarbamates (the residue tolerance limit are determined and expressed as mg/CS <sup>2</sup> /kg and refer separately to the residues arising from any or each group of dithiocarbamates)
		Phenthoate
		Phorate (sum of Phorate, its oxygen analogue and their sulphoxides and sulphones, expressed as phorate)
		Pirimiphos-methyl
		Oxydemeton methyl
<b>2.4.7</b>	<b>CORN FLOUR (MAIZE STARCH)</b>	<b>General Parameters</b>
<b>2.4.7.1</b>	<b>Cornflour (Maize starch)</b>	Cornflour (Maize starch) means the starch obtained from maize ( <i>Zea mays L.</i> ).
		Physical examination for moulds, living and dead insects, insect fragments, larvae, and rodent contamination (hair, excreta), fungus visible to the naked eye and impurities or extraneous matter.
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Beta carotene, Carotene (Natural extract), Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours (Plain), Caramel colours (Ammonium Sulphite process))
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF)
		Test for preservatives (Benzoic acid and its salts, Sorbic acid and its salts)

Std. Nos.	Categories	Parameters
		Sulphur di oxide
		Test for anti oxidants (BHA aand TBHQ)
		<b>Quality Parameters</b>
		Moisture
		Total ash
		Ash insoluble in dilute HCl
		Alcoholic acidity (with 90 % alcohol)
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Cadmium
		Zinc
		<b>Naturally occurring Toxic Substances</b>
		Aflatoxin
		Agaric acid
		Hydrocyanic acid
		Hypericine
<b>2.4.8</b>	<b>CORN FLAKES</b>	<b>General Parameters</b>
<b>2.4.8.1</b>	<b>Corn Flakes</b>	Corn flakes means the product obtained from dehulled, degermed and cook corn ( <i>Zea mays L.</i> ) by flaking, partially drying and toasting. It shall be in the form of crisp flakes of reasonably uniform size and golden brown in color.
		Physical examination for moulds, living and dead insects, insect fragments, larvae, rodent contamination (hair, excreta), impurities and any other extraneous matter, and fungus visible to the naked eye.
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Beta carotene, Carotene (Natural extract), Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours (Plain), Caramel colours (Ammonium Sulphite process)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		Test for preservatives (Benzoic acid and its salts, Sorbic acid and its salts, Sulphur di oxide)
		Test for anti oxidants (BHA and TBHQ)
		Test for Non Nutritive Sweetener (if the product is sold as a ready

Std. Nos.	Categories	Parameters
		to eat cereal product)
		a. Steviol Glycoside
		<b>Quality Parameters</b>
		Moisture
		Total ash excluding salt
		Ash insoluble in dilute HCl
		Alcoholic acidity (with 90 % alcohol)
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Cadmium
		Zinc
		<b>Naturally occurring Toxic Substances</b>
		Aflatoxin
<b>2.4.9</b>	<b>CUSTARD POWDER</b>	<b>General Parameters</b>
<b>2.4.9.1</b>	<b>Custard Powder</b>	Custard Powder means the product obtained from maize ( <i>Zea mays L.</i> ) or sago/topioca with or without the addition of small quantities of edible starches obtained from arrowroot, potato or jawar ( <i>Sorghum vulgare</i> ) and with or without the addition of edible common salt, milk and albuminous matter. It shall be in the form of fine powder.
		Physical examination for moulds, living and dead insects, insect fragments and rodent contamination (hair, excreta), fungus visible to the naked eye, foreign matter.
		Rancidity and musty odour
		Test for added color ( Synthetic)
		Erythrosine
		Carmoisine
		Ponceau 4R
		Fast green FCF
		Indigo carmine
		Brilliant blue FCF
		Sunset Yellow FCF
		Tartrazine
		Test for preservatives (Benzoic acid and its salts, Sorbic acid and its salts, Sulphur di oxide)
		Test for anti oxidants (BHA aand TBHQ)

Std. Nos.	Categories	Parameters
		Test for Artificial sweetener
		Saccharin Sodium
		Aspartame
		Acesulfame Potassium
		Sucralose
		Neotame
		<b>Quality Parameters</b>
		Moisture
		Total ash excluding salt
		Ash insoluble in dilute HCl
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Cadmium
		Zinc
		<b>Naturally occurring Toxic Substances</b>
		Aflatoxin
<b>2.4.10</b>	<b>Macaroni Products</b>	<b>General Parameters</b>
<b>2.4.10.1</b>	<b>Pasta Products (Macaroni, Spaghetti, Vermicelli)</b>	Pasta Products-(Macaroni, spaghetti, vermicelli) means the products obtained from suji or maida with or without addition of ingredients like edible groundnut flour, tapioca flour, soya flour, milk powder, spices, vitamins, minerals, by kneading the dough and extending it.
		Physical examination for moulds, living and dead insects, insect fragments, larvae, rodent contamination (hair, excreta), impurities or any other extraneous matter and fungus visible to the naked eye
		Rancidity and musty odour
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Beta carotene, Carotene(Natural extract), Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours(Plain), Caramel colours(Ammonium Sulphite process)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		Test for preservatives (Benzoic acid and its salts, Sorbic acid ad its salts, Sulphur di oxide)

Std. Nos.	Categories	Parameters
		Test for anti oxidants (BHA and TBHQ)
		<b>Quality Parameters</b>
		Moisture
		Total ash excluding salt
		Ash insoluble in dilute HCl
		Nitrogen
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Cadmium
		Zinc
		<b>Naturally occurring Toxic Substances</b>
		Aflatoxin
<b>2.4.11</b>	<b>Malted And Malt Based Foods</b>	<b>General Parameters</b>
<b>2.4.11.1</b>	<b>Malted Milk Food</b>	Malted milk food means the product obtained by mixing whole milk, partly skimmed milk or milk powder with the wort separately from a mash of ground barley malt, any other malted cereal grain and wheat flour or any other cereal flour or malt extract with or without addition of flavouring agents and spices, emulsifying agents, eggs, protein isolates, edible common salt, sodium or potassium bicarbonate, minerals and vitamins and without added sugar in such a manner as to secure complete hydrolysis of starchy material and prepared in a powder or granule or flake form by roller drying, spray drying, vacuum drying or by any other process.
		Physical examination for moulds, living and dead insects, insect fragments and rodent contamination (hair, excreta) and fungus visible to the naked eye.
		Rancidity and musty odour
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Beta carotene, Carotene (Natural extract), Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours (Plain), Caramel colours (Ammonium Sulphite process))
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF)
		Test for preservatives (Benzoic acid and its salts, Sorbic acid and its

Std. Nos.	Categories	Parameters
		salts, Sulphur di oxide)
		Test for anti oxidants (BHA aand TBHQ)
		Test for artificial sweeteners (Sacchari, Aspartame, Acesulfame-K, Sucralose, Neotame)
		Test for foreign Starch (Microscopy)
		<b>Quality Parameters</b>
		<b>Malted milk food without Cocoa powder</b>
		Moisture
		Total protein (N x 6.25) (on dry basis)
		Total fat (on Dry basis)
		Total ash (on dry basis)
		Acid insoluble ash(on dry basis) (in dilute HCl)
		Solubility
		Cocoa powder (on dry basis)
		Test for starch
		<b>Malted milkfood with Cocoa powder</b>
		Moisture
		Total protein (N x 6.25) (on dry basis)
		Total fat (on Dry basis)
		Total ash (on dry basis)
		Acid insoluble ash(on dry basis) (in dilute HCl)
		Solubility
		Cocoa powder (on dry basis)
		Test for starch
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Cadmium
		Zinc
		<b>Naturally occurring Toxic Substances</b>
		Aflatoxin
		Ochratoxin A
		<b>Pesticides [As in milk products]</b>
		Aldrin, dieldrin (the limits apply to aldrin and dieldrin singly or in any combination and are expressed as dieldrin)
		Chlordane (residue to be measured as cis plus trans chlordane)
		D.D.T. (The limits apply to D.D.T., D.D.D. D.D.E. singly or in any

Std. Nos.	Categories	Parameters
		combination)
		Fenitrothion
		Heptachlor (combined residues of heptachlor and its epoxide to be determined and expressed Milled as Heptachlor)
		Hexachlorocycle hexane Gamma (Gamma) Isomer (Known as Lindane)
		Chlorienvinphos
		Chlorpyrifos
		2.4D
		Ethion (Residues to be determined as ethion And its oxygen analogue and expressed as ethion)
		Monochrotophos
		Carbendazim
		Benomyl
		Carbofuran (sum of carbofuran and 3-hydroxy carbofuran expressed as carbofuran)
		Cypermethrin (sum of isomers) (fat soluble residue)
		Edifenphos
		Fenthion (sum of fenthion, its oxygen analogue and their sulphoxides and sulphones expressed as fenthion)
		Phenthoate
		Phorate (sum of Phorate, its oxygen analogue and their sulphoxides and sulphones, expressed as phorate)
		Pirimiphos-methyl
		<b>Microbiological Safety</b>
		<b>Malted Food without cocoa powder</b>
		Bacterial count
		Coliform count
		Faecal <i>Streptococci</i> and <i>Staphylococcus aureus</i>
		<b>Malted Food without cocoa powder</b>
		Bacterial count
		Coliform count
		Yeast and mould count
		<i>Salmonella</i> and <i>Shigella</i>
		E.coli
		<i>Vibrio cholera</i> and <i>V. paraheamolyticus</i>
<b>2.4.11.2</b>	<b>Malted and Malt Based Foods</b>	<b>General Parameters</b>
		Malt Based Foods (Malt Food) means the product obtained by mixing malt (wort or flour or malt extract) of any kind obtained by controlled germination of seeds

Std. Nos.	Categories	Parameters
		(cereals and/or grain legumes), involving mainly steeping germination and kiln drying processes with other cereal and legume flour with or without whole milk or milk powder, flavouring agents, spices, emulsifying agents, eggs, egg powder, protein isolates, protein hydrolysates, edible common salt, liquid glucose, sodium or potassium bicarbonate minerals, amino acids and vitamins.
		Physical examination for moulds, living and dead insects, insect fragments and rodent contamination (hair, excreta) and fungus visible to the naked eye
		Rancidity and musty odour
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Beta carotene, Carotene (Natural extract), Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours (Plain), Caramel colours (Ammonium Sulphite process)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF)
		Test for preservatives (Benzoic acid and its salts, Sorbic acid and its salts, Sulphur dioxide)
		Test for anti oxidants (BHA and TBHQ)
		Test for artificial sweeteners (Saccharin, Aspartame, Acesulfame-K, Sucralose, Neotame)
		<b>Quality Parameters</b>
		Moisture
		Total Protein (N x 6.25) (on dry basis)
		Total ash (on dry basis)
		Acid insoluble ash (in dilute HCl)
		Alcoholic acidity (expressed as H <sub>2</sub> SO <sub>4</sub> ) with 90% alcohol
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Cadmium
		Zinc
		<b>Naturally occurring Toxic Substances</b>
		Aflatoxin
		<b>Microbiological Safety</b>

Std. Nos.	Categories	Parameters
		Total Plate count
		Coliform count
		Yeast and mould count
		<i>Salmonella</i> and <i>Shigella</i>
		<i>E.coli</i>
		<i>Vibrio cholera</i> and <i>V. paraheamolyticus</i>
		Faecal <i>Streptococci</i> and <i>Staphylococcus aureus</i>
		<b>Pesticides</b> [As in milled grains]
		Aldrin, dieldrin (the limits apply to aldrin and dieldrin singly or in any combination and are expressed as dieldrin)
		Carbaryl
		Chlordane (residue to be measured as cis plus trans chlordane)
		Diazinon
		Dichlorvos (content of di- chloroacetaldehyde (D.C.A.) be reported where possible)
		Fenitrothion
		Heptachlor (combined residues of heptachlor and its epoxide to be determined and expressed Milled as Heptachlor)
		Hydrogen cyanide
		Hydrogen phosphide
		Inorganic bromide (determined and expressed as total bromide from all sources)
		Hexachlorocycle hexane Gamma (Gamma) Isomer (Known as Lindane)
		Malathion (Malathion to be determined and expressed as combined residues of malathion and malaoxon)
		Chlorienvinphos
		Pyrethrins (sum of pyrethrins I & II and structurally related insecticide Ingredients of pyrethrum)
		Phosphamidon residues (expressed as the sum of phosphamidon and its desethyl derivative)
		Chlorpyrifos
		2,4D
		Ethion (Residues to be determined as ethion Tea And Its oxygen analogueand expressed as ethion)
		Monochrotophos
		Paraquat Dichloride (Determined as Paraquat cations)
		Trichlorfon
		Thiometon (Residues determined as thiometon its sulfoxide and sulphone expressed as thiometon)
		Decamethrin / Deltamethrin

Std. Nos.	Categories	Parameters
		Carbendazim
		Benomyl
		Carbofuran (sum of carbofuran and 3-hydroxy carbofuran expressed as carbofuran)
		Decamethrin / Deltamethrin
		Fenthion (sum of fenthion, its oxygen analogue and their sulphoxides and sulphones expressed as fenthion)
		Dithiocarbamates (the residue tolerance limit are determined and expressed as mg/CS2/kg and refer separately to the residues arising from any or each group of dithiocarbamates)
		Phenthoate
		Phorate (sum of Phorate, its oxygen analogue and their sulphoxides and sulphones, expressed as phorate)
		Pirimiphos-methyl
		Oxydemeton methyl
		Cypermethrin (sum of isomers) (fat soluble residue)
		Bitertanol
		Methyl Chloro-phenoxy-acetic Acid(M.C.P.A.)
		Tridemorph
		Propiconazole
		Sulfosulfuron
		Trifluralin
		Chlorimuron-ethyl
		Diclofop-methyl
		Pendimethalin
		Metasulfuron-methyl
		Methabenzthiazuron
		Triallate
		Fenoxyprop-p-ethyl
		Clodinafop-proparyl
		Triadimefon
		Isoproturon
<b>2.4.12</b>	<b>ROLLED OATS</b>	<b>General Parameters</b>
<b>2.4.12.1</b>	<b>Rolled Oats</b>	Rolled Oats (quick cooking oats) means the product made from sound hulled oats ( <i>Avena sativa</i> ). It shall be in the form of flakes of uniform size having a light cream color.
		Physical examination for moulds, living and dead insects, insect fragments and rodent contamination (hair, excreta) and fungus visible to the naked eye
		Rancidity and musty odour

Std. Nos.	Categories	Parameters
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Beta carotene, Carotene (Natural extract), Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours (Plain), Caramel colours (Ammonium Sulphite process))
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF)
		Test for preservatives (Benzoic acid and its salts, Sorbic acid and its salts, Sulphur dioxide)
		Test for anti oxidants (BHA and TBHQ)
		Test for artificial sweeteners (Saccharin, Aspartame, Acesulfame-K, Sucralose, Neotame)
		<b>Quality Parameters</b>
		Moisture
		Total ash
		Ash insoluble in dilute HCl (on dry basis)
		Nitrogen
		Crude Fibre
		Alcohol acidity (with 90 % alcohol)
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Cadmium
		Zinc
		<b>Naturally occurring Toxic Substances</b>
		Aflatoxin
		<b>Pesticides</b> of milled grain
		Aldrin, dieldrin (the limits apply to aldrin and dieldrin singly or in any combination and are expressed as dieldrin)
		Carbaryl
		Chlordane (residue to be measured as cis plus trans chlordane)
		Diazinon
		Dichlorvos (content of di-chloroacetaldehyde (D.C.A.) be reported where possible)
		Fenitrothion
		Heptachlor (combined residues of heptachlor and its epoxide to be

Std. Nos.	Categories	Parameters
		determined and expressed Milled as Heptachlor)
		Hydrogen cyanide
		Hydrogen phosphide
		Inorganic bromide (determined and expressed as total bromide from all sources)
		Hexachlorocycle hexane Gamma (Gamma) Isomer (Known as Lindane)
		Malathion (Malathion to be determined and expressed as combined residues of malathion and malaosxon)
		Chlorienvinphos
		Pyrethrins (sum of pyrethrins I & II and structurally related insecticide Ingredients of pyrethrum)
		Phosphamidon residues (expressed as the sum of phosphamidon and its desethyl derivative)
		Chlorpyrifos
		2,4D
		Ethion (Residues to be determined as ethion Tea And Its oxygen analogueand expressed as ethion)
		Monochrotophos
		Paraquat Dichloride (Determined as Paraquat cations)
		Trichlorfon
		Thiometon (Residues determined as thiometon its sulfoxide and sulphone expressed as thiometon)
		Decamethrin / Deltamethrin
		Carbendazim
		Benomyl
		Carbofuran (sum of carbofuran and 3-hydroxy carbofuran expressed as carbofuran)
		Decamethrin / Deltamethrin
		Fenthion (sum of fenthion, its oxygen analogue and their sulphoxides and sulphones expressed as fenthion)
		Dithiocarbamates (the residue tolerance limit are determined and expressed as mg/CS2/kg and refer separately to the residues arising from any or each group of dithiocarbamates)
		Phenthoate
		Phorate (sum of Phorate, its oxygen analogue and their sulphoxides and sulphones,expressed as phorate)
		Pirimiphos-methyl
2.4.13	SOLVENT EXTRACTED FLOURS	<b>General Parameters</b>

Std. Nos.	Categories	Parameters
2.4.13.1	<b>Solvent Extracted Soya Flour</b>	Solvent Extract Soya Flour means the product obtained from clean, sound healthy soyabeans by a process of cracking, dehulling, solvent extraction with food grade hexane and grinding. It shall be in the form of coarse or fine powder or grits, white to creamy white in color of uniform composition.
		Physical examination for moulds, living and dead insects, insect fragments and rodent contamination (hair, excreta), extraneous matter and fungus visible to the naked eye
		Rancidity and musty odour
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Beta carotene, Carotene (Natural extract), Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours (Plain), Caramel colours (Ammonium Sulphite process))
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF)
		Test for preservatives (Benzoic acid and its salts, Sorbic acid and its salts, Sulphur dioxide)
		Test for anti oxidants (BHA and TBHQ)
		Test for artificial sweeteners (Saccharin, Aspartame, Acesulfame-K, Sucralose, Neotame)
		Test for foreign starch (microscopy)
		<b>Quality Parameters</b>
		Moisture
		Total ash
		Ash insoluble in dilute HCl
		Protein (Nx6.25)
		Crude fibre
		Fat
		Residual Hexane (Food grade)
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Cadmium
		Zinc
		<b>Naturally occurring Toxic Substances</b>

Std. Nos.	Categories	Parameters
		Aflatoxin
		<b>Microbiological Safety</b>
		Total Bacterial count
		Coliform count
		Salmonella
		<b>Pesticides</b>
		Alachlor
		Fenoxyprop-p-ethyl
		Quizalofop-ethyl
		Clomazone
		Trichlorfon
		Carbofuran (sum of carbofuran and 3-hydroxy carbofuran expressed as carbofuran)
		Phorate (sum of Phorate, its oxygenanalogue and their sulphoxides and sulphones, expressed as phorate)
		Phenthoate
		Cypermethrin (sum of isomers) (fat soluble residue)
<b>2.4.13.2</b>	<b>Solvent Extracted Groundnut Flour</b>	<b>General Parameters</b>
		Solvent Extracted Groundnut Flour means the product obtained from fresh, clean, degermed groundnut kernels which have been decuticled after mild roasting. It shall be whitish to light brown in color of uniform composition.
		Physical examination for moulds, living and dead insects, insect fragments and rodent contamination (hair, excreta), extraneous matter, and fungus visible to the naked eye
		Rancidity and musty odour
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Beta carotene, Carotene (Natural extract), Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours (Plain), Caramel colours (Ammonium Sulphite process))
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF)
		Test for preservatives (Benzoic acid and its salts, Sorbic acid and its salts, Sulphur dioxide)
		Test for anti oxidants (BHA and TBHQ)
		Test for foreign Starch (Microscopy)
		Test for artificial sweeteners (Saccharin, Aspartame, Acesulfame-K, Sucralose, Neotame)

Std. Nos.	Categories	Parameters
		<b>Quality Parameters</b>
		Moisture
		Total ash
		Ash insoluble in dilute HCl
		Protein (Nx6.25)
		Crude fibre
		Fat
		Residual Hexane (Food grade)
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Cadmium
		Zinc
		<b>Naturally occurring Toxic Substances</b>
		Aflatoxin
		Agaric acid
		Hydrocyanic acid
		Hypericine
		<b>Microbiological Safety</b>
		Total Bacterial count
		Coliform count
		Salmonella
		<b>Pesticides</b>
		Chlorienvinphos
		Carbendazim
		Benomyl
		Alachlor
		Bitertanol
		Chlorothalonil
		Myclobutanil
		Trichlorfon
		Carbofuran (sum of carbofuran and 3-hydroxy carbofuran expressed as carbofuran)
		Phorate (sum of Phorate, its oxygenanalogue and their sulphoxides and sulphones, expressed as phorate)
		Phenthoate

Std. Nos.	Categories	Parameters
2.4.13.3	Solvent Extracted Sesame Flour	<b>General Parameters</b>
		Solvent Extracted Sesame Flour means the product obtained by pressing, clean, sound healthy and decuticled sesame seeds followed by solvent extraction with food grade hexane or by direct extraction of kernels. It shall be in the form of flour of white or pale creamy white color of uniform composition.
		Physical examination for moulds, living and dead insects, insect fragments and rodent contamination (hair, excreta) and fungus visible to the naked eye
		Rancidity and musty odour
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Beta carotene, Carotene (Natural extract), Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours (Plain), Caramel colours (Ammonium Sulphite process))
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF)
		Test for preservatives (Benzoic acid and its salts, Sorbic acid and its salts, Sulphur dioxide)
		Test for anti oxidants (BHA and TBHQ)
		Test for foreign Starch (Microscopy)
		Test for artificial sweeteners (Saccharin, Aspartame, Acesulfame-K, Sucralose, Neotame)
		<b>Quality Parameters</b>
		Moisture
		Total ash
		Ash insoluble in dilute HCl
		Protein (Nx6.25)
		Crude fibre
		Fat
		Residual Hexane (Food grade)
		Oxalic Acid
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Mercury
		Methyl Mercury calculated as the element
		Tin

Std. Nos.	Categories	Parameters
		Cadmium
		Zinc
		<b>Naturally occurring Toxic Substances</b>
		Aflatoxin
		<b>Microbiological Safety</b>
		Total Bacterial count
		Coliform count
		<i>Salmonella</i>
		<b>Pesticides</b> (from oilseeds)
		Trichlorfon
		Carbofuran (sum of carbofuran and 3-hydroxy carbofuran expressed as carbofuran)
		Phorate (sum of Phorate, its oxygenanalogue and their sulphoxides and sulphones, expressed as phorate)
		Phenthoate
		Cypermethrin (sum of isomers) (fat soluble residue)
<b>2.4.13.4</b>	<b>Solvent Extracted Coconut Flour</b>	<b>General Parameters</b>
		Solvent Extracted Coconut Flour means the product obtained from fresh coconut Kernels or dried coconut copra of good quality and free from mould. It shall be of white or pale brownish yellow color of uniform composition.
		Physical examination for moulds, living and dead insects, insect fragments and rodent contamination (hair, excreta) and fungus visible to the naked eye
		Rancidity and musty odour
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Beta carotene, Carotene (Natural extract), Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours (Plain), Caramel colours (Ammonium Sulphite process)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF)
		Test for preservatives (Benzoic acid and its salts, Sorbic acid and its salts, Sulphur dioxide)
		Test for anti oxidants (BHA and TBHQ)
		Test for foreign Starch (Microscopy)
		Test for artificial sweeteners (Saccharin, Aspartame, Acesulfame-K, Sucralose, Neotame)
		<b>Quality Parameters</b>

Std. Nos.	Categories	Parameters
		Moisture
		Total ash
		Ash insoluble in dilute HCl
		Protein (Nx6.25)
		Crude fibre
		Fat
		Residual Hexane (Food grade)
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Cadmium
		Zinc
		<b>Microbiological Safety</b>
		Total Bacterial count
		Coliform count
		<i>Salmonella</i>
<b>2.4.13.5</b>	<b>Solvent Extracted Cotton Seed Flour</b>	<b>General Parameters</b>
		Solvent Extracted Cotton Seed Flour means the product obtained by solvent extraction of oil with food grade hexane from oil cake immediately following the single pressing, from cotton seed of good quality which have been pre-cleaned and are free from infected or otherwise damage materials and extraneous matter. It shall be in the form of flour of white or pale brownish color of uniform composition.
		Physical examination for moulds, living and dead insects, insect fragments and rodent contamination (hair, excreta) and fungus visible to the naked eye
		Rancidity and musty odour
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Beta carotene, Carotene (Natural extract), Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours (Plain), Caramel colours (Ammonium Sulphite process))
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF)

Std. Nos.	Categories	Parameters
		Test for preservatives (Benzoic acid and its salts, Sorbic acid and its salts, Sulphur dioxide)
		Test for anti oxidants (BHA and TBHQ)
		Test for foreign Starch (Microscopy)
		Test for artificial sweeteners (Saccharin, Aspartame, Acesulfame-K, Sucralose, Neotame)
		<b>Quality Parameters</b>
		Moisture
		Total ash
		Ash insoluble in dilute HCl
		Crude Protein (N×6.25)
		Available Lysine
		Free Gossypol
		Total Gossypol
		Crude fibre
		Fat
		Residual Hexane (Food grade)
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Cadmium
		Zinc
		<b>Naturally occurring Toxic Substances</b>
		Aflatoxin
		<b>Microbiological Safety</b>
		Total Bacterial count
		Coliform count
		<i>Salmonella</i>
		<b>Pesticides</b>
		Carbaryl
		Endosulfan (residues are measured and reported as total of endosulfan A and B and endosulfan-sulphate)
		Chlorpyrifos
		Chlorienvinphos
		Ethion (Residues to be determined as ethion Tea And Its oxygen analogue and expressed as ethion)

Std. Nos.	Categories	Parameters
		Monocrotophos
		Paraquat Dichloride (Determined as Paraquat cations)
		Acephate
		Methamido-phos
		Carbendazim
		Benomyl
		Decamethrin / Deltamethrin
		Fenvalerate (fat soluble residue)
		Alachlor
		Chlormequatchloride
		Diflubenzuron
		Diuron
		Diflubenzuron
		Fluchloralin
		Methomyl
		Permethrin
		b-Cyfluthrin
		Bifenthrin
		Indoxacarb
		Novaluron
		Thiochlorprid
<b>2.4.14</b>	<b>STARCHY FOODS</b>	<b>General Parameters</b>
<b>2.4.14.1</b>	<b>Arrowroot</b>	Arrowroot means the separated and purified starch from the rhizomes of the plants known as <i>Maranta arundinacea</i> or <i>Curcuma augustifolia</i> .
<b>2.4.14.2</b>	<b>Sago</b>	Sago shall mean small hard globules or pearls made from either the starch of the sago palm or the tubers of tapioca ( <i>Manihot utilissima</i> )
		Physical examination for moulds, living and dead insects, insect fragments and rodent contamination (hair, excreta) and fungus visible to the naked eye
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Beta carotene, Carotene (Natural extract), Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours (Plain), Caramel colours (Ammonium Sulphite process)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF)
		Test for preservatives (Benzoic acid and its salts, Sorbic acid and its salts, Sulphur di

Std. Nos.	Categories	Parameters
		oxide)
		Test for anti oxidants (BHA aand TBHQ)
		Test for artificial sweeteners (Sacchari, Aspartame, Acesulpame-K, Sucralose, Neotame)
		<b>Quality Parameters</b>
		Total ash
		Ash insoluble in dilute HCl
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Cadmium
		Zinc
		<b>Naturally occurring Toxic Substances</b>
		Aflatoxin
<b>2.4.15</b>	<b>BAKERY PRODUCTS</b>	<b>General Parameters</b>
<b>2.4.15.1</b>	<b>Biscuits</b>	Biscuits including wafer biscuits shall be made from maida, vanaspati or refined edible oil or table butter or desi butter or margarine or ghee or their mixture containing any one or more of the following ingredients, namely:— Edible common salt, butter, milk powder, cereals and their products, cheese cocoa, coffee extract, edible desiccated coconut, dextrose, fruit and fruits products, dry fruit and nuts, egg, edible vegetable products, ginger, gluten groundnut flour, milk and milk products, honey, liquid glucose, malt products, edible oilseeds, flour and meals, spices and condiments, edible starches such as potato starch and edible flours, sugar and sugar products, invert sugar, jaggery, protein concentrates, oligofructose, vinegar and other nutrients and vitamins.
		Physical examination for moulds, living and dead insects, insect fragments and rodent contamination (hair, excreta) and fungus visible to the naked eye
		Test for added color ( Synthetic)
		Erythrosine
		Carmoisine
		Ponceau 4R
		Fast green FCF

Std. Nos.	Categories	Parameters
		Indigo carmine
		Brilliant blue FCF
		Sunset Yellow FCF
		Tartrazine
		Test for sodium sulphite
		Test for preservatives (Benzoic acid and its salts, Sorbic acid and its salts, Sulphur dioxide)
		Test for anti oxidants (BHA and TBHQ)
		Test for Saccharin Sodium
		Test for Aspartame Methyl ester
		Test for Acesulfame-K
		Test for Sucralose
		Test for Benzoyl peroxide
		<b>Quality Parameters</b>
		Total ash
		Acidity of extracted Fat (as Oleic acid)
		Oligofructose (Dietary Fibres)
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Cadmium
		Zinc
		<b>Naturally occurring Toxic Substances</b>
		Aflatoxin
<b>2.4.15.2</b>	<b>Bread</b>	<b>General Parameters</b>
		Bread whether sold as white bread or wheat bread or fancy or fruity bread or bun or masala bread or milk bread or of any other name, shall mean the product prepared from a mixture of wheat atta, maida, water, salt, yeast or other fermentive medium containing one or more of the following ingredients, namely:— Condensed milk, milk powder (whole or skimmed), whey, curd, gluten, sugar, gur or jaggery, khandsari, honey, liquid glucose, malt products, edible starches and flour, edible groundnut flour, edible soya flour, protein concentrates and isolates, vanaspati, margarine or refined edible oil of suitable type or butter or ghee or their mixture, albumin, lime water, lysine,

Std. Nos.	Categories	Parameters
		vitamins, spices and condiments or their extracts, fruit and fruit product (Candied and crystallized or glazed), nuts, nut products , oligofructose and vinegar.
		Physical examination for moulds, living and dead insects, insect fragments and rodent contamination (hair, excreta) and fungus visible to the naked eye.
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Beta carotene, Carotene (Natural extract), Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours (Plain), Caramel colours (Ammonium Sulphite process)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		Test for sodium sulphite
		Test for preservatives (Benzoic acid and its salts, Sulphur di oxide)
		Sorbic acid or its Sodium, Potassium or Calcium salts (calculated as Sorbic acid)
		Test for anti oxidants (BHA and TBHQ)
		<b>Test for artificial Sweetener</b>
		a. Saccharin Sodium
		b. Aspartame Methyl ester
		c. Acesulfame-K
		d. Sucralose
		e. Neotame
		Test for Benzoyl peroxide
		<b>Quality Parameters</b>
		Alcoholic acidity (with 90 % alcohol)
		Ash insoluble in dilute HCL on dry weight basis
		Oligofructose (Dietary Fibres)
		(i) Bread except masala bread or fruit bread
		(ii) Masala bread or fruit bread
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Cadmium
		Zinc

Std. Nos.	Categories	Parameters
		<b>Naturally occurring Toxic Substances</b>
		Aflatoxin
		<b>Pesticides</b> [Taken from Maida]
		Aldrin, dieldrin (the limits apply to aldrin and dieldrin singly or in any combination and are expressed as dieldrin)
		Carbaryl
		Chlordane (residue to be measured as cis plus trans chlordane)
		Diazinon
		Dichlorvos (content of di- chloroacetaldehyde (D.C.A.) be reported where possible)
		Fenitrothion
		Heptachlor (combined residues of heptachlor and its epoxide to be determined and expressed Milled as Heptachlor)
		Hydrogen cyanide
		Hydrogen phosphide
		Inorganic bromide (determined and expressed as total bromide from all sources)
		Hexachlorocycle hexane Gamma (Gamma) Isomer (Known as Lindane)
		Malathion (Malathion to be determined and expressed as combined residues of malathion and malaosxon)
		Chlorienvinphos
		Pyrethrins (sum of pyrethrins I & II and structurally related insecticide Ingredients of pyrethrum)
		Phosphamidon residues (expressed as the sum of phosphamidon and its desethyl derivative)
		Chlorpyrifos
		2,4D
		Ethion (Residues to be determined as ethion Tea And Its oxygen analogueand expressed as ethion)
		Monochrotophos
		Paraquat Dichloride (Determined as Paraquat cations)
		Trichlorfon
		Thiometon (Residues determined as thiometon its sulfoxide and sulphone expressed as thiometon)
		Decamethrin / Deltamethrin
		Carbendazim
		Benomyl
		Carbofuran (sum of carbofuran and 3-hydroxy carbofuran expressed as carbofuran)
		Decamethrin / Deltamethrin

Std. Nos.	Categories	Parameters
		Fenthion (sum of fenthion, its oxygen analogue and their sulphoxides and sulphones expressed as fenthion)
		Dithiocarbamates (the residue tolerance limit are determined and expressed as mg/CS2/kg and refer separately to the residues arising from any or each group of dithiocarbamates)
		Phenthoate
		Phorate (sum of Phorate, its oxygen analogue and their sulphoxides and sulphones,expressed as phorate)
		Pirimiphos-methyl
		Cypermethrin (sum of isomers) (fat soluble residue)

**\*Products should be free from all adulterants .**

# **Volume-5**

## **Meat and Meat Products**

## TEST PARAMETERS FOR MEAT & MEAT PRODUCTS

In case the product contains any permitted additives as per Appendix A, the testing for the additive is also required to be carried out in addition to the prescribed parameters.

Test methods described in the manuals as amended and adopted by FSSAI from time to time shall only be used for analyzing the samples of Food Articles.

Std. Nos.	Categories	Parameters
<b>2.5</b>	<b>MEAT AND MEAT PRODUCTS</b>	
<b>2.5.2.1</b>	<b>Canned corned beef</b>	<b>General Parameters</b>
		Canned corned beef means the product prepared from boneless meat of carcass of bovine animals including buffalo meat.
		Physical examination for moulds, living and dead insects, insect fragments and rodent contamination (hair, excreta) visible to the naked eye.
		Benzoic acid, Sodium and Potassium benzoate
		Potassium bi sulphite
		Potassium sulphite
		Sodium metabi sulphite
		Sodium bi sulphite
		Na & K expressed as Sodium Nitrite
		Sorbic acid and its Calcium, Sodium, Potassium Salts (Calculated as sorbic acid)
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Beta carotene, Carotene (Natural extract), Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours (Plain), Caramel colours (Ammonium Sulphite process)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF)
		Test for Antioxidants
		a. BHA
		b. TBHQ
		c. Ascorbic acid, Sodium Ascorbate or isoascorbate acid/Sodium iso-ascorbate singly or in combination.
		<b>Metal Contaminants</b>
		Lead
		Copper

Std. Nos.	Categories	Parameters
		Arsenic
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Cadmium
		Zinc
		<b>Pesticides</b>
		Aldrin, dieldrin (the limits apply to aldrin and dieldrin singly or in any combination and are expressed as dieldrin)
		D.D.T. (The limits apply to D.D.T., D.D.D. and D.D.E. singly or in any combination)
		Fenitrothion
		Hexachlorocyclohexane and its isomers (Gamma ( $\gamma$ ) isomer (Known as Lindane))
		Chlorpyrifos (Residues to be measured as alpha and beta isomers of Chlorpyrifos)
		Chlorpyrifos
		2,4D
		Ethion (Residues to be determined as ethion and its oxygen analogue and expressed as ethion)
		Monocrotophos
		Trichlorfon
		Carbendazim
		Benomyl
		Carbofuran (sum of carbofuran and 3-hydroxy carbofuran expressed as carbofuran)
		Cypermethrin (sum of isomers) (fat soluble residue)
		Edifenphos
		Fenthion (sum of fenthion, its oxygen analogue and their sulphoxides and sulphones expressed as fenthion)
		Fenvalerate (fat soluble residue)
		Phenthoate
		Phorate (sum of Phorate, its oxygen analogue and their sulphoxides and sulphones, expressed as phorate)
		Pirimiphos-methyl
		<b>Naturally occurring toxic substances</b>
		Saffrole
		<b>Microbiological Safety</b>
		Total Plate Count
		<i>E. coli</i>
		<i>Staphylococcus aureus</i>

Std. Nos.	Categories	Parameters
		<i>Salmonella</i>
		<i>Clostridium perfringes</i>
		<i>Clostridium botulinum</i>
		Incubation of sealed container at 35 °C for 10 days
		Incubation of sealed container at 55 °C for 5 days
		<i>Listeria sp</i>
<b>2.5.2.2</b>	<b>Canned luncheon meat</b>	<b>General Parameters</b>
		Canned Luncheon meat means the product prepared from edible portion of meat of mammalian animal and poultry birds, including chickens, turkeys, ducks, geese, guinea fowl or pigeon.
		Physical examination for moulds, living and dead insects, insect fragments and rodent contamination (hair, excreta) visible to the naked eye
		Benzoic acid, Sodium and Potassium benzoate
		Potassium bi sulphite
		Potassium sulphite
		Sodium metabi sulphite
		Sodium bi sulphite
		Sorbic acid and its Calcium, Sodium, Potassium Salts (Calculated as sorbic acid)
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Beta carotene, Carotene (Natural extract), Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours (Plain), Caramel colours (Ammonium Sulphite process))
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF)
		Test for Antioxidants
		a. BHA
		b. TBHQ
		c. Sodium and or Potassium mono-di-polyphosphates singly or in combination expressed as P <sub>2</sub> O <sub>5</sub>
		d. Ascorbic acid, Sodium Ascorbate or isoascorbate acid/Sodium iso-ascorbate singly or in combination.
		<b>Quality Parameters</b>
		Total Fat content:
		a) Product without binder

Std. Nos.	Categories	Parameters
		b) Product with binder
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Cadmium
		Zinc
		<b>Pesticides</b>
		Aldrin, dieldrin (the limits apply to aldrin and dieldrin singly or in any combination and are expressed as dieldrin)
		D.D.T. (The limits apply to D.D.T., D.D.D. and D.D.E. singly or in any combination)
		Fenitrothion
		Hexachlorocyclohexane and its isomers (Gamma (γ) isomer (Known as Lindane))
		Chlorfenvinphos (Residues to be measured as alpha and beta isomers of Chlorfenvinphos)
		Chlorpyrifos
		2,4D
		Ethion (Residues to be determined as ethion and its oxygen analogue and expressed as ethion)
		Monocrotophos
		Trichlorfon
		Carbendazim
		Benomyl
		Carbofuran (sum of carbofuran and 3-hydroxy carbofuran expressed as carbofuran)
		Cypermethrin (sum of isomers) (fat soluble residue)
		Edifenphos
		Fenthion (sum of fenthion, its oxygen analogue and their sulphoxides and sulphones expressed as fenthion)
		Fenvalerate (fat soluble residue)
		Phenthoate
		Phorate (sum of Phorate, its oxygen analogue and their sulphoxides and sulphones, expressed as phorate)
		Pirimiphos-methyl
		<b>Naturally occurring toxic substances</b>
		Saffrole

Std. Nos.	Categories	Parameters
		<b>Microbiological Safety</b>
		Total Plate Count
		<i>E. coli</i>
		<i>Staphylococcus aureus</i>
		<i>Salmonella</i>
		<i>Clostridium perfringens</i>
		<i>Clostridium botulinum</i>
		Incubation of sealed container at 35 °C for 10 days
		Incubation of sealed container at 55 °C for 5 days
		<i>Listeria sp</i>
<b>2.5.2.3</b>	<b>Canned cooked ham</b>	<b>General Parameters</b>
		Canned cooked Ham means product prepared from meat of pigs.
		Physical examination for moulds, bones, detached cartilage tendons, ligaments, living and dead insects, insect fragments and rodent contamination (hair, excreta) visible to the naked eye
		Visual examination for bones, detached cartilage ligaments
		Benzoic acid, Sodium and Potassium benzoate
		Potassium bi sulphite
		Potassium sulphite
		Sodium metabi sulphite
		Sodium bi sulphite
		Sorbic acid and its Calcium, Sodium, Potassium Salts (Calculated as sorbic acid)
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Beta carotene, Carotene (Natural extract), Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours (Plain), Caramel colours (Ammonium Sulphite process)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF)
		Test for Antioxidants
		a. BHA
		b. TBHQ
		c. Sodium and or Potassium mono-di-polyphosphates singly or in combination expressed as P <sub>2</sub> O <sub>5</sub>
		d. Ascorbic acid, Sodium Ascorbate or isoascorbate acid/Sodium iso-ascorbate singly or in combination.
		<b>Metal Contaminants</b>

Std. Nos.	Categories	Parameters
		Lead
		Copper
		Arsenic
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Cadmium
		Zinc
		<b>Pesticides</b>
		Aldrin, dieldrin (the limits apply to aldrin and dieldrin singly or in any combination and are expressed as dieldrin)
		D.D.T. (The limits apply to D.D.T., D.D.D. and D.D.E. singly or in any combination)
		Fenitrothion
		Hexachlorocyclohexane and its Isomers(Gamma (γ) Isomer (Known as Lindane))
		Chlorienvinphos(Residues to be measured as alpha and beta isomers of Chlorienvinphos)
		Chlorpyrifos
		2,4D
		Ethion (Residues to be determined as ethion and its oxygen analogue and expressed as ethion)
		Monocrotophos
		Trichlorfon
		Carbendazim
		Benomyl
		Carbofuran (sum of carbofuran and 3-hydroxy carbofuran expressed as carbofuran)
		Cypermethrin (sum of isomers) (fat soluble residue)
		Edifenphos
		Fenthion (sum of fenthion, its oxygen analogue and their sulphoxides and sulphones expressed as fenthion)
		Fenvalerate (fat soluble residue)
		Phenthoate
		Phorate (sum of Phorate, its oxygen analogue and their sulphoxides and sulphones, expressed as phorate)
		Pirimiphos-methyl
		<b>Naturally occurring toxic substances</b>
		Saffrole
		<b>Microbiological Safety</b>
		Total Plate Count

Std. Nos.	Categories	Parameters
		E. coli
		Staphylococcus aureus
		Salmonella
		Clostridium perfringes
		Clostridium botulinum
		Incubation of sealed container at 35 °C for 10 days
		Incubation of sealed container at 55 °C for 5 days
		Listeria sp
<b>2.5.2.4</b>	<b>Canned chopped meat</b>	<b>General Parameters</b>
		Canned chopped meat means product prepared from edible portion of meat of mammalian animals and or edible meat of poultry birds including chickens,turkeys,ducks,geese.
		Physical examination for moulds,bones,detached cartilage tendons,ligaments, living and dead insects, insect fragments and rodent contamination(hair, excreta) visible to the naked eye
		Visual examination for bones, detached cartilage ligaments
		Benzoic acid, Sodium and Potassium benzoate
		Potassium bi sulphite
		Potassium sulphite
		Sodium metabi sulphite
		Sodiumbi sulphite
		Sorbic acid and its Calcium,Sodium, Potassium Salts (Calculated as sorbic acid)
		Test for added Natural colours (Curcumin, Riboflavin,Chlorophyll, Beta carotene, Carotene(Natural extract),Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours(Plain), Caramel colours(Ammonium Sulphite process)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		Test for Antioxidants
		a. BHA
		b. TBHQ
		c. Sodium and or Potassium mono-di-polyphosphates singly or in combination expressed as P <sub>2</sub> O <sub>5</sub>
		d. Ascorbic acid, Sodium Ascorbate or isoascorbate acid/Sodium iso-ascorbate singly or in combination.

Std. Nos.	Categories	Parameters
		<b>Quality Parameters</b>
		Total Fat content:
		a) Product without binder
		b) Product with binder
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Cadmium
		Zinc
		<b>Pesticides</b>
		Aldrin, dieldrin (the limits apply to aldrin and dieldrin singly or in any combination and are expressed as dieldrin)
		D.D.T. (The limits apply to D.D.T., D.D.D. and D.D.E. singly or in any combination)
		Fenitrothion
		Hexachlorocyclohexane and its isomers (Gamma ( $\gamma$ ) isomer (Known as Lindane))
		Chlorpyrifos (Residues to be measured as alpha and beta isomers of Chlorpyrifos)
		Chlorpyrifos
		2,4D
		Ethion (Residues to be determined as ethion and its oxygen analogue and expressed as ethion)
		Monocrotophos
		Trichlorfon
		Carbendazim
		Benomyl
		Carbofuran (sum of carbofuran and 3-hydroxy carbofuran expressed as carbofuran)
		Cypermethrin (sum of isomers) (fat soluble residue)
		Edifenphos
		Fenthion (sum of fenthion, its oxygen analogue and their sulphoxides and sulphones expressed as fenthion)
		Fenvalerate (fat soluble residue)
		Phenthoate
		Phorate (sum of Phorate, its oxygen analogue and their sulphoxides and sulphones, expressed as phorate)

Std. Nos.	Categories	Parameters
		Pirimiphos-methyl
		<b>Naturally occurring toxic substances</b>
		Saffrole
		<b>Microbiological Safety</b>
		Total Plate Count
		<i>E. coli</i>
		<i>Staphylococcus aureus</i>
		<i>Salmonella</i>
		<i>Clostridium perfringes</i>
		<i>Clostridium botulinum</i>
		Incubation of sealed container at 35 °C for 10 days
		Incubation of sealed container at 55 °C for 5 days
		<i>Listeria sp</i>
<b>2.5.2.5</b>	<b>Canned chicken</b>	<b>General Parameters</b>
		Canned chicken means the product prepared from edible portion of poultry birds.
		Physical examination for moulds, ,bones,blood clots,skin,hair,viscera, bruised/disintegrated material, living and dead insects, insect fragments and rodent contamination(hair, excreta) visible to the naked eye
		Visual examination for bones,blood clots, skin hair, strings
		Benzoic acid, Sodium and Potassium benzoate
		Potassium bi sulphite
		Potassium sulphite
		Sodium metabi sulphite
		Sodiumbi sulphite
		Sorbic acid and its Calcium,Sodium, Potassium Salts (Calculated as sorbic acid)
		Test for added Natural colours (Curcumin, Riboflavin,Chlorophyll, Beta carotene, Carotene(Natural extract),Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours(Plain), Caramel colours(Ammonium Sulphite process)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		Test for Antioxidants
		a. BHA
		b. TBHQ

Std. Nos.	Categories	Parameters
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Cadmium
		Zinc
		<b>Pesticides</b>
		Aldrin, dieldrin (the limits apply to aldrin and dieldrin singly or in any combination and are expressed as dieldrin)
		D.D.T. (The limits apply to D.D.T., D.D.D. and D.D.E. singly or in any combination)
		Hexachlorocyclohexane and its Isomers(Gamma ( $\gamma$ ) Isomer (Known as Lindane))
		Chlorienvinphos(Residues to be measured as alpha and beta isomers of Chlorienvinphos)
		Chlorpyrifos
		Fenitrothion
		2,4D
		Ethion (Residues to be determined as ethion and its oxygen analogue and expressed as ethion)
		Monocrotophos
		Trichlorfon
		Carbendazim
		Benomyl
		Carbofuran (sum of carbofuran and 3-hydroxy carbofuran expressed as carbofuran)
		Cypermethrin (sum of isomers) (fat soluble residue)
		Edifenphos
		Fenthion (sum of fenthion, its oxygen analogue and their sulphoxides and sulphones expressed as fenthion)
		Fenvalerate (fat soluble residue)
		Phenthoate
		Phorate (sum of Phorate, its oxygen analogue and their sulphoxides and sulphones, expressed as phorate)
		Pirimiphos-methyl
		<b>Naturally occurring toxic substances</b>
		Saffrole
		<b>Microbiological Safety</b>

Std. Nos.	Categories	Parameters
		Total Plate Count
		<i>E. coli</i>
		<i>Staphylococcus aureus</i>
		<i>Salmonella</i>
		<i>Clostridium perfringes</i>
		<i>Clostridium botulinum</i>
		Incubation of sealed container at 35 °C for 10 days
		Incubation of sealed container at 55 °C for 5 days
		<i>Listeria</i> sp
<b>2.5.2.6</b>	<b>Canned mutton and goat meat</b>	<b>General Parameters</b>
		Canned mutton and goat meat means the product prepared from edible portion of meat of sheep and goat animals.
		Physical examination for moulds,bones,blood clots,skin,hair,strings,fibrous tissue living and dead insects, insect fragments and rodent contamination (hair, excreta) visible to the naked eye
		Visual examination for bones, , blood clots, skin, hair, strings,, fibrous tissue, excess fat
		Benzoic acid, Sodium and Potassium benzoate
		Potassium bi sulphite
		Potassium sulphite
		Sodium metabi sulphite
		Sodiumbi sulphite
		Sorbic acid and its Calcium,Sodium, Potassium Salts (Calculated as sorbic acid)
		Test for added Natural colours (Curcumin, Riboflavin,Chlorophyll, Beta carotene, Carotene(Natural extract),Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours(Plain), Caramel colours(Ammonium Sulphite process)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		Test for Antioxidants
		a. BHA
		b. TBHQ
		<b>Metal Contaminants</b>
		Lead

Std. Nos.	Categories	Parameters
		Copper
		Arsenic
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Cadmium
		Zinc
		<b>Pesticides</b>
		Aldrin, dieldrin (the limits apply to aldrin and dieldrin singly or in any combination and are expressed as dieldrin)
		D.D.T. (The limits apply to D.D.T., D.D.D. and D.D.E. singly or in any combination)
		Fenitrothion
		Hexachlorocyclohexane and its Isomers(Gamma (γ) Isomer (Known as Lindane)
		Chlorpyrifos(Residues to be measured as alpha and beta isomers of Chlorpyrifos)
		Chlorpyrifos
		2,4D
		Ethion (Residues to be determined as ethion and its oxygen analogue and expressed as ethion)
		Monocrotophos
		Trichlorfon
		Carbendazim
		Benomyl
		Carbofuran (sum of carbofuran and 3-hydroxy carbofuran expressed as carbofuran)
		Cypermethrin (sum of isomers) (fat soluble residue)
		Edifenphos
		Fenthion (sum of fenthion, its oxygen analogue and their sulphoxides and sulphones expressed as fenthion)
		Fenvalerate (fat soluble residue)
		Phenthoate
		Phorate (sum of Phorate, its oxygen analogue and their sulphoxides and sulphones, expressed as phorate)
		Pirimiphos-methyl
		<b>Naturally occurring toxic substances</b>
		Saffrole
		<b>Microbiological Safety</b>
		Total Plate Count
		<i>E. coli</i>

Std. Nos.	Categories	Parameters
		<i>Staphylococcus aureus</i>
		<i>Salmonella</i>
		<i>Clostridium perfringes</i>
		<i>Clostridium botulinum</i>
		<i>Listeria sp</i>
		Incubation of sealed container at 35 °C for 10 days
		Incubation of sealed container at 55 °C for 5 days
<b>2.5.2.7</b>	<b>Frozen mutton, chicken, goat and buffalo</b>	<b>General Parameters</b>
		Physical examination for moulds, living and dead insects, insect fragments and rodent contamination (hair, excreta) visible to the naked eye.
		Benzoic acid, Sodium and Potassium benzoate
		Potassium bi sulphite
		Potassium sulphite
		Sodium metabi sulphite
		Sodiumbi sulphite
		Sorbic acid and its Calcium, Sodium, Potassium Salts (Calculated as sorbic acid)
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Beta carotene, Carotene (Natural extract), Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours (Plain), Caramel colours (Ammonium Sulphite process)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		Test for Antioxidants
		a. BHA
		b. TBHQ
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Cadbiium

Std. Nos.	Categories	Parameters
		Zinc
		<b>Pesticides</b>
		Aldrin, dieldrin (the limits apply to aldrin and dieldrin singly or in any combination and are expressed as dieldrin)
		D.D.T. (The limits apply to D.D.T., D.D.D. and D.D.E. singly or in any combination)
		Fenitrothion
		Hexachlorocyclohexane and its isomers (Gamma ( $\gamma$ ) isomer (Known as Lindane))
		Chlorienvinphos (Residues to be measured as alpha and beta isomers of Chlorienvinphos)
		Chlorpyrifos
		2,4D
		Ethion (Residues to be determined as ethion and its oxygen analogue and expressed as ethion)
		Monocrotophos
		Trichlorfon
		Carbendazim
		Benomyl
		Carbofuran (sum of carbofuran and 3-hydroxy carbofuran expressed as carbofuran)
		Cypermethrin (sum of isomers) (fat soluble residue)
		Edifenphos
		Fenthion (sum of fenthion, its oxygen analogue and their sulphoxides and sulphones expressed as fenthion)
		Fenvalerate (fat soluble residue)
		Phenthoate
		Phorate (sum of Phorate, its oxygen analogue and their sulphoxides and sulphones, expressed as phorate)
		Pirimiphos-methyl
		<b>Naturally occurring toxic substances</b>
		Saffrole
		<b>Microbiological Safety</b>
		Total Plate Count
		<i>E. coli</i>
		<i>Staphylococcus aureus</i>
		<i>Salmonella</i>
		<i>Clostridium perfringens</i>
		<i>Clostridium botulinum</i>
		Yeast and mold count
		<i>Listeria monocytogenes</i>

Std. Nos.	Categories	Parameters

# **Volume-6**

# **Fish and Fish Products**

## TEST PARAMETERS FOR FISH & FISH PRODUCTS

In case the product contains any permitted additives as per Appendix A, the testing for the additive is also required to be carried out in addition to the prescribed parameters.

Test methods described in the manuals as amended and adopted by FSSAI from time to time shall only be used for analyzing the samples of Food Articles.

Std. Nos.	Categories	Parameters
<b>2.6</b>	<b>FISH AND FISH PRODUCTS</b>	
<b>2.6.1</b>	<b>FROZEN SHRIMPS OR PRAWNS</b>	<b>General Parameters</b>
		Frozen Shrimps or Prawns means the product prepared from fresh shrimps of sound quality belonging to Penaeidae, Pandalidae, Crangonidae, Palaeomonidae Solenoceridae, Aristeidae and Sergestidae families.
		Physical examination for moulds, living and dead insects, insect fragments and rodent contamination(hair, excreta) visible to the naked eye
		Benzoic acid, Sodium and Potassium benzoate
		Potassium bi sulphite
		Potassium sulphite
		Sodium metabi sulphite
		Sodiumbi sulphite
		Sorbic acid and its Calcium,Sodium, Potassium Salts (Calculated as sorbic acid)
		Test for Synthetic colour and inorganic colouring matter
		a. Erythrosine
		b. Carmoisine
		c. Ponceau 4R
		d. Fast green FCF
		e. Indigo carmine
		f. Brilliant blue FCF
		g. Sunset Yellow FCF
		h. Tartrazine
		Test for Antioxidants
		a. BHA
		b. TBHQ
		<b>Quality Parameters</b>
		Total Volatile Base (Nitrogen)
		Raw

Std. Nos.	Categories	Parameters
		Cooked
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Cadmium
		Zinc
		<b>Pesticides</b>
		Carbaryl
		D.D.T. (The limits apply to D.D.T., D.D.D. and D.D.E. singly or in any combination)
		Endosulfan (residues are measured and reported as total of endosulfan A and B and endosulfan-sulphate)
		Hexachlorocyclohexane and its Isomers
		(a) Alfa ( $\alpha$ ) Isomer:
		(b) Beta ( $\beta$ ) Isomer
		(c) Gamma ( $\gamma$ ) Isomer (Known as Lindane)
		(d) Delta ( $\delta$ ) Isomer
		Quinolphos
		<b>Antibiotic residue and other pharmacologically active substances</b>
		Tetracycline
		Oxytetracycline
		Trimethoprim
		Oxolinic acid
		<b>Polychlorinated biphenyls (PCBs) and Polycyclic Aromatic Hydrocarbon (PAH) compounds</b>
		Polychlorinated biphenyls (Sum of PCB28, PCB52, PCB101, PCB138, PCB153 and PCB180)
		<b>Microbiological Safety</b>
		a) Raw
		Total Plate Count
		<i>E. coli</i>
		<i>Staphylococcus aureus</i>
		<i>Salmonella &amp; Shigella</i>
		<i>Vibrio cholerae</i>
		<i>Vibrio parahaemolyticus</i>
		b) Cooked

Std. Nos.	Categories	Parameters
		Total Plate Count
		<i>E. coli</i>
		<i>Staphylococcus aureus</i>
		<i>Salmonella &amp; Shigella</i>
		<i>Vibro cholerae</i>
		<i>Vibro parahaemolyticus</i>
		<i>Listeria sp</i>
<b>2.6.2</b>	<b>FROZEN LOBSTER</b>	<b>General Parameters</b>
		Frozen Lobsters means the product prepared from fresh lobsters of sound quality belonging to the genus <i>Homarus</i> of the family Nephropidae and from the families Palinuridae and Scyllaridae
		Physical examination for moulds, living and dead insects, insect fragments and rodent contamination(hair, excreta) visible to the naked eye
		Benzoic acid, Sodium and Potassium benzoate
		Potassium bi sulphite
		Potassium sulphite
		Sodium metabi sulphite
		Sodium bi sulphite
		Sorbic acid and its Calcium, Sodium, Potassium Salts (Calculated as sorbic acid)
		Test for Synthetic colour and inorganic colouring matter
		a. Erythrosine
		b. Carmoisine
		c. Ponceau 4R
		d. Fast green FCF
		e. Indigo carmine
		f. Brilliant blue FCF
		g. Sunset Yellow FCF
		h. Tartrazine
		Test for Antioxidants
		a. BHA
		b. TBHQ
		<b>Quality Parameters</b>
		Total Volatile Base (Nitrogen)
		Raw
		Cooked
		<b>Metal Contaminants</b>

Std. Nos.	Categories	Parameters
		Lead
		Copper
		Arsenic
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Cadmium
		Zinc
		<b>Pesticides</b>
		Carbaryl
		D.D.T. (The limits apply to D.D.T., D.D.D. and D.D.E. singly or in any combination)
		Endosulfan (residues are measured and reported as total of endosulfan A and B and endosulfan-sulphate)
		Hexachlorocyclohexane and its Isomers
		(a) Alfa ( $\alpha$ ) Isomer:
		(b) Beta ( $\beta$ ) Isomer
		(c) Gamma ( $\gamma$ ) Isomer (Known as Lindane)
		(d) Delta ( $\delta$ ) Isomer
		Quinolphos
		<b>Antibiotic residue and othe pharmacologically active substances</b>
		Tetracycline
		Oxytetracycline
		Trimethoprim
		Oxolinic acid
		<b>Polychlorinated biphenyls (PCBs) and Polycyclic Aromatic Hydrocarbon (PAH) compounds</b>
		Polychlorinated biphenyls (Sum of PCB28, PCB52, PCB101, PCB138, PCB153 and PCB180)
		<b>Microbiological Safety</b>
		a) Raw
		Total Plate Count
		<i>E. coli</i>
		<i>Staphylococcus aureus</i>
		<i>Salmonella &amp; Shigella</i>
		<i>Vibro cholera</i>
		<i>Vibro parahaemolyticus</i>
		<i>Listeria sp</i>
		b) Cooked
		Total Plate Count

Std. Nos.	Categories	Parameters
		<i>E. coli</i>
		<i>Staphylococcus aureus</i>
		<i>Salmonella &amp; Shigella</i>
		<i>Vibro cholerae</i>
		<i>Vibro parahaemolyticus</i>
		<i>Listeria sp</i>
<b>2.6.3</b>	<b>FROZEN SQUID</b>	<b>General Parameters</b>
		Frozen squid and parts of squid means the product prepared from fresh squid of sound quality belonging to Squid species of Loliginidae, Ommastrephidae Onychoteuthide and Thysanotenthidae families
		Physical examination for moulds, living and dead insects, insect fragments and rodent contamination(hair, excreta) visible to the naked eye
		Benzoic acid, Sodium and Potassium benzoate
		Potassium bi sulphite
		Potassium sulphite
		Sodium metabi sulphite
		Sodiumbi sulphite
		Sorbic acid and its Calcium,Sodium, Potassium Salts (Calculated as sorbic acid)
		Test for Synthetic colour and inorganic colouring matter
		a. Erythrosine
		b. Carmoisine
		c. Ponceau 4R
		d. Fast green FCF
		e. Indigo carmine
		f. Brilliant blue FCF
		g. Sunset Yellow FCF
		h. Tartrazine
		Test for Antioxidants
		a. BHA
		b. TBHQ
		<b>Quality Parameters</b>
		Total Volatile Base (Nitrogen)
		Raw
		<b>Metal Contaminants</b>
		Lead
		Copper

Std. Nos.	Categories	Parameters
		Arsenic
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Cadmium
		Zinc
		<b>Pesticides</b>
		Carbaryl
		D.D.T. (The limits apply to D.D.T., D.D.D. and D.D.E. singly or in any combination)
		Endosulfan (residues are measured and reported as total of endosulfan A and B and endosulfan-sulphate)
		Hexachlorocyclohexane and its Isomers
		(a) Alfa ( $\alpha$ ) Isomer:
		(b) Beta ( $\beta$ ) Isomer
		(c) Gamma ( $\gamma$ ) Isomer (Known as Lindane)
		(d) Delta ( $\delta$ ) Isomer
		Quinolphos
		<b>Antibiotic residue and othe pharmacologically active substances</b>
		Tetracycline
		Oxytetracycline
		Trimethoprim
		Oxolinic acid
		<b>Microbiological Safety</b>
		a) Raw
		Total Plate Count
		<i>E. coli</i>
		<i>Staphylococcus aureus</i>
		<i>Salmonella &amp; Shigella</i>
		<i>Vibro cholera</i>
		<i>Vibro parahaemolyticus</i>
		<i>Listeria sp</i>
<b>2.6.4</b>	<b>FROZEN FINFISH</b>	<b>General Parameters</b>
		Frozen finfish means the product prepared from fresh fish of good quality. The product may be with or without head from which viscera or other organs have been completely or partially removed
		Physical examination for moulds, living and dead insects, insect

Std. Nos.	Categories	Parameters
		fragments and rodent contamination(hair, excreta) visible to the naked eye
		Benzoic acid, Sodium and Potassium benzoate
		Potassium bi sulphite
		Potassium sulphite
		Sodium metabi sulphite
		Sodium bi sulphite
		Sorbic acid and its Calcium, Sodium, Potassium Salts (Calculated as sorbic acid)
		Test for Synthetic colour and inorganic colouring matter
		a. Erythrosine
		b. Carmoisine
		c. Ponceau 4R
		d. Fast green FCF
		e. Indigo carmine
		f. Brilliant blue FCF
		g. Sunset Yellow FCF
		h. Tartrazine
		Test for Antioxidants
		a. BHA
		b. TBHQ
		<b>Quality Parameters</b>
		Total Volatile Base (Nitrogen)
		Histamine
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Cadmium
		Zinc
		<b>Pesticides</b>
		Carbaryl
		D.D.T. (The limits apply to D.D.T., D.D.D. and D.D.E. singly or in any combination)
		Endosulfan (residues are measured and reported as total of endosulfan A and B and endosulfan-sulphate)
		Hexachlorocyclohexane and its Isomers
		(a) Alfa ( $\alpha$ ) Isomer:

Std. Nos.	Categories	Parameters
		(b) Beta ( $\beta$ ) Isomer
		(c) Gamma ( $\gamma$ ) Isomer (Known as Lindane)
		(d) Delta ( $\delta$ ) Isomer
		Quinolphos
		<b>Antibiotic residue and othe pharmacologically active substances</b>
		Tetracycline
		Oxytetracycline
		Trimethoprim
		Oxolinic acid
		<b>Polychlorinated biphenyls (PCBs) and Polycyclic Aromatic Hydrocarbon (PAH) compounds</b>
		Polychlorinated biphenyls (Sum of PCB28, PCB52, PCB101, PCB138, PCB153 and PCB180)
		<b>Microbiological Safety</b>
		Total Plate Count
		<i>E. coli</i>
		<i>Staphylococcus aureus</i>
		<i>Salmonella &amp; Shigella</i>
		<i>Vibro cholerae</i>
		<i>Vibro parahaemolyticus</i>
		<i>Listeria sp</i>
<b>2.6.5</b>	<b>FROZEN FISH FILLETS OR MINCED FISH FLESH OR MIXTURES</b>	<b>General Parameters</b>
		Frozen fish fillets or minced fish flesh or mixtures thereof are products obtained from fresh wholesome fish of any species or mixtures of species with similar-sensory properties.
		Physical examination for moulds, living and dead insects, insect fragments and rodent contamination(hair, excreta) visible to the naked eye and free from objectionable odour
		Benzoic acid, Sodium and Potassium benzoate
		Potassium bi sulphite
		Potassium sulphite
		Sodium metabi sulphite

Std. Nos.	Categories	Parameters
		Sodium sulphite
		Sorbic acid and its Calcium, Sodium, Potassium Salts (Calculated as sorbic acid)
		Test for Synthetic colour and inorganic colouring matter
		a. Erythrosine
		b. Carmoisine
		c. Ponceau 4R
		d. Fast green FCF
		e. Indigo carmine
		f. Brilliant blue FCF
		g. Sunset Yellow FCF
		h. Tartrazine
		Test for Antioxidants
		a. BHA
		b. TBHQ
		<b>Quality Parameters</b>
		Total Volatile Base (Nitrogen)
		Histamine
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Cadmium
		Zinc
		Naturally occurring toxic substances:
		Saffrole
		<b>Pesticides</b>
		Carbaryl
		D.D.T. (The limits apply to D.D.T., D.D.D. and D.D.E. singly or in any combination)
		Endosulfan (residues are measured and reported as total of endosulfan A and B and endosulfan-sulphate)
		Hexachlorocyclohexane and its Isomers
		(a) Alfa ( $\alpha$ ) Isomer:
		(b) Beta ( $\beta$ ) Isomer
		(c) Gamma ( $\gamma$ ) Isomer (Known as Lindane)
		(d) Delta ( $\delta$ ) Isomer
		Quinolphos

Std. Nos.	Categories	Parameters
		<b>Antibiotic residue and othe pharmacologically active substances</b>
		Tetracycline
		Oxytetracycline
		Trimethoprim
		Oxolinic acid
		<b>Microbiological Safety</b>
		Total Plate Count
		<i>E. coli</i>
		<i>Staphylococcus aureus</i>
		<i>Salmonella &amp; Shigella</i>
		<i>Vibro cholera</i>
		<i>Vibro parahaemolyticus</i>
		<i>Listeria sp</i>
<b>2.6.6</b>	<b>DRIED SHARK FINS</b>	<b>General Parameters</b>
		Dried shark fins means the product prepared from dorsal and pectoral fins, lower lobe of caudal fin and Pelvic from fresh shark of edible quality
		Physical examination for moulds, living and dead insects, insect fragments and rodent contamination(hair, excreta) visible to the naked eye and free from objectionable odour
		Benzoic acid, Sodium and Potassium benzoate
		Potassium bi sulphite
		Potassium sulphite
		Sodium metabi sulphite
		Sodiumbi sulphite
		Sorbic acid and its Calcium,Sodium, Potassium Salts (Calculated as sorbic acid)
		Test for Synthetic colour and inorganic colouring matter
		a. Erythrosine
		b. Carmoisine
		c. Ponceau 4R
		d. Fast green FCF
		e. Indigo carmine
		f. Brilliant blue FCF
		g. Sunset Yellow FCF
		h. Tartrazine
		Test for Antioxidants
		a. BHA

Std. Nos.	Categories	Parameters
		b. TBHQ
		<b>Quality Parameters</b>
		Moisture
		Ash insoluble in HCl on dry basis
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Cadmium
		Zinc
		<b>Pesticides</b>
		Carbaryl
		D.D.T. (The limits apply to D.D.T., D.D.D. and D.D.E. singly or in any combination)
		Endosulfan (residues are measured and reported as total of endosulfan A and B and endosulfan-sulphate)
		Hexachlorocyclohexane and its Isomers
		(a) Alfa ( $\alpha$ ) Isomer:
		(b) Beta ( $\beta$ ) Isomer
		(c) Gamma ( $\gamma$ ) Isomer (Known as Lindane)
		(d) Delta ( $\delta$ ) Isomer
		Quinolphos
		<b>Antibiotic residue and othe pharmacologically active substances</b>
		Tetracycline
		Oxytetracycline
		Trimethoprim
		Oxolinic acid
		<b>Microbiological Safety</b>
		Total Plate Count
		<i>E. coli</i>
		<i>Staphylococcus aureus</i>
		<i>Salmonella &amp; Shigella</i>
		<i>Vibro cholera</i>
		<i>Vibro parahaemolyticus</i>
		Yeast and mold count
		<i>Listeria sp</i>

Std. Nos.	Categories	Parameters
2.6.7	SALTED FISH/DRIED FISH/SALTED FISH	<b>General Parameters</b>
		Salted fish/dried salted fish means the product prepared from fresh wholesome fish. The fish shall be bled, gutted, beheaded, split or filleted and washed. The fish shall be fully saturated with salt (Heavy salted) or partially saturated to a salt content not less than 10 percent by weight of the salted fish which has been dried
		Physical examination for moulds, living and dead insects, insect fragments and rodent contamination(hair, excreta) visible to the naked eye and free from objectionable odour
		Benzoic acid, Sodium and Potassium benzoate
		Potassium bi sulphite
		Potassium sulphite
		Sodium metabi sulphite
		Sodiumbi sulphite
		Sorbic acid and its Calcium,Sodium, Potassium Salts (Calculated as sorbic acid)
		Test for Synthetic colour and inorganic colouring matter
		a. Erythrosine
		b. Carmoisine
		c. Ponceau 4R
		d. Fast green FCF
		e. Indigo carmine
		f. Brilliant blue FCF
		g. Sunset Yellow FCF
		h. Tartrazine
		Test for Antioxidants
		a. BHA
		b. TBHQ
		<b>Quality Parameters</b>
		Water activity (a w ), at 25°C
		Moisture
		Sodium Chloride (NaCl))
		Ash insoluble in HCl on dry basis
		Histamine content, max.
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Mercury

Std. Nos.	Categories	Parameters
		Methyl Mercury calculated as the element
		Tin
		Cadmium
		Zinc
		<b>Naturally occurring toxic substances</b>
		Saffrole
		<b>Pesticides</b>
		Carbaryl
		D.D.T. (The limits apply to D.D.T., D.D.D. and D.D.E. singly or in any combination)
		Endosulfan (residues are measured and reported as total of endosulfan A and B and endosulfan-sulphate)
		Hexachlorocyclohexane and its Isomers
		(a) Alfa ( $\alpha$ ) Isomer:
		(b) Beta ( $\beta$ ) Isomer
		(c) Gamma ( $\gamma$ ) Isomer (Known as Lindane)
		(d) Delta ( $\delta$ ) Isomer
		Quinolphos
		<b>Antibiotic residue and othe pharmacologically active substances</b>
		Tetracycline
		Oxytetracycline
		Trimethoprim
		Oxolinic acid
		<b>Microbiological Safety</b>
		Total Plate Count
		<i>E. coli</i>
		<i>Staphylococcus aureus</i>
		<i>Salmonella &amp; Shigella</i>
		<i>Vibro cholera</i>
		<i>Vibro parahaemolyticus</i>
		Yeast and mold count
		<i>Listeria sp</i>
<b>2.6.8</b>	<b>CANNED FINFISH</b>	<b>General Parameters</b>
		Canned finfish means the product prepared from the flesh of fresh finfish of sound quality belonging to any one species or mixture of species within the same genus having similar sensory properties. The product shall be free from head, tail and viscera.
		Physical examination for moulds, living and dead insects, insect fragments and rodent contamination(hair, excreta) visible to the

Std. Nos.	Categories	Parameters
		naked eye and free from objectionable odour
		Physical examination for fish head, tail and viscera
		Rust and mechanical defects of container
		Benzoic acid, Sodium and Potassium benzoate
		Potassium bi sulphite
		Potassium sulphite
		Sodium metabi sulphite
		Sodiumbi sulphite
		Sorbic acid and its Calcium, Sodium, Potassium Salts (Calculated as sorbic acid)
		Test for Synthetic colour and inorganic colouring matter
		a. Erythrosine
		b. Carmoisine
		c. Ponceau 4R
		d. Fast green FCF
		e. Indigo carmine
		f. Brilliant blue FCF
		g. Sunset Yellow FCF
		h. Tartrazine
		Test for Antioxidants
		a. BHA
		b. TBHQ
		<b>Quality Parameters</b>
		Total Volatile Base (Nitrogen)
		Histamine
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Cadmium
		Zinc
		<b>Pesticides</b>
		Carbaryl
		D.D.T. (The limits apply to D.D.T., D.D.D. and D.D.E. singly or in any combination)
		Endosulfan (residues are measured and reported as total of endosulfan A and B and endosulfan-sulphate)
		Hexachlorocycle hexane and its Isomers

Std. Nos.	Categories	Parameters
		(a) Alfa ( $\alpha$ ) Isomer:
		(b) Beta ( $\beta$ ) Isomer
		(c) Gamma ( $\gamma$ ) Isomer (Known as Lindane)
		(d) Delta ( $\delta$ ) Isomer
		Quinolphos
		<b>Antibiotic residue and othe pharmacologically active substances</b>
		Tetracycline
		Oxytetracycline
		Trimethoprim
		Oxolinic acid
		<b>Polychlorinated biphenyls (PCBs) and Polycyclic Aromatic Hydrocarbon (PAH) compounds</b>
		Polychlorinated biphenyls (Sum of PCB28, PCB52, PCB101, PCB138, PCB153 and PCB180)
		<b>Microbiological Safety</b>
		Total Plate Count
		<i>E. coli</i>
		<i>Staphylococcus aureus</i>
		<i>Salmonella &amp; Shigella</i>
		<i>Vibro cholera</i>
		<i>Vibro parahaemolyticus</i>
		<i>Clostridium perfringens</i>
		Incubation of sealed container at 37 °C for 7 days
		<i>Listeria sp</i>
<b>2.6.9</b>	<b>CANNED SHRIMP</b>	General Parameters
		Canned Shrimp means the product prepared from fresh shrimp of sound quality from any combination of species of families Penaeidae, Pandalide, Crangonidae and Palaemonidae from which heads, shell and antenna have been removed
		Physical examination for moulds, living and dead insects, insect fragments and rodent contamination(hair, excreta) visible to the naked eye and free from objectionable odour
		Rust and mechanical defects of container
		Benzoic acid, Sodium and Potassium benzoate
		Potassium bi sulphite
		Potassium sulphite
		Sodium metabi sulphite
		Sodiumbi sulphite

Std. Nos.	Categories	Parameters
		Sorbic acid and its Calcium, Sodium, Potassium Salts (Calculated as sorbic acid)
		Test for Synthetic colour and inorganic colouring matter
		a. Erythrosine
		b. Carmoisine
		c. Ponceau 4R
		d. Fast green FCF
		e. Indigo carmine
		f. Brilliant blue FCF
		g. Sunset Yellow FCF
		h. Tartrazine
		i. Test for Antioxidants
		a. BHA
		b. TBHQ
		<b>Quality Parameters</b>
		Total Volatile Base (Nitrogen)
		Acidity in brine expressed as citric acid
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Cadmium
		Zinc
		<b>Pesticides</b>
		Carbaryl
		D.D.T. (The limits apply to D.D.T., D.D.D. and D.D.E. singly or in any combination)
		Endosulfan (residues are measured and reported as total of endosulfan A and B and endosulfan-sulphate)
		Hexachlorocyclohexane and its Isomers
		(a) Alfa ( $\alpha$ ) Isomer:
		(b) Beta ( $\beta$ ) Isomer
		(c) Gamma ( $\gamma$ ) Isomer (Known as Lindane)
		(d) Delta ( $\delta$ ) Isomer
		Quinolphos
		<b>Antibiotic residue and other pharmacologically active substances</b>
		Tetracycline

Std. Nos.	Categories	Parameters
		Oxytetracycline
		Trimethoprim
		Oxolinic acid
		<b>Polychlorinated biphenyls (PCBs) and Polycyclic Aromatic Hydrocarbon (PAH) compounds</b>
		Polychlorinated biphenyls (Sum of PCB28, PCB52, PCB101, PCB138, PCB153 and PCB180)
		<b>Microbiological Safety</b>
		Total Plate Count
		<i>E. coli</i>
		<i>Staphylococcus aureus</i>
		<i>Salmonella &amp; Shigella</i>
		<i>Vibro cholera</i>
		<i>Vibro parahaemolyticus</i>
		<i>Clostridium perfringens</i>
		Incubation of sealed container at 37 °C for 7 days
		<i>Listeria sp</i>
<b>2.6.10</b>	<b>CANNED SARDINES OR SARDINE TYPE PRODUCTS</b>	General Parameters
		Canned sardines or sardine type products means, the product prepared from fresh or frozen fish belonging to <i>Sardinia pilchardus</i> , <i>Sardinia milanostictus</i> , <i>neopilchardus</i> , <i>ocellatus</i> , <i>sagax</i> , <i>caeruleus</i> , <i>Sardinia aurita</i> , <i>brasiliensis</i> , <i>maderensis</i> , <i>longiceps</i> , <i>gibbosa</i> , <i>celupea</i> , <i>harengus</i> , <i>Sprattus sprattus</i> , <i>Hypertophus vittatus</i> , <i>Nematolosaviaminghi</i> , <i>Etrumeus tesus</i> , <i>Ethmedium maculatum</i> , <i>Engranulis anchoita</i> , <i>mordax</i> , <i>ringens</i> and <i>opisthonema oglinum</i> .
		Physical examination for moulds, living and dead insects, insect fragments and rodent contamination (hair, excreta) visible to the naked eye and free from objectionable odour
		Visual examination for head, gills, scales and tails, visceral parts other than roe milt or kidney.
		Rust and mechanical defects of container
		Benzoic acid, Sodium and Potassium benzoate
		Potassium bisulphite
		Potassium sulphite
		Sodium metabisulphite
		Sodium bisulphite
		Sorbic acid and its Calcium, Sodium, Potassium Salts

Std. Nos.	Categories	Parameters
		(Calculated as sorbic acid)
		Test for Synthetic colour and inorganic colouring matter
		a. Erythrosine
		b. Carmoisine
		c. Ponceau 4R
		d. Fast green FCF
		e. Indigo carmine
		f. Brilliant blue FCF
		g. Sunset Yellow FCF
		h. Tartrazine
		Test for Antioxidants
		a. BHA
		b. TBHQ
		<b>Quality Parameters</b>
		Total Volatile Base (Nitrogen)
		Histamine
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Cadmium
		Zinc
		<b>Pesticides</b>
		Carbaryl
		D.D.T. (The limits apply to D.D.T., D.D.D. and D.D.E. singly or in any combination)
		Endosulfan (residues are measured and reported as total of endosulfan A and B and endosulfan-sulphate)
		Hexachlorocyclohexane and its Isomers
		(a) Alfa ( $\alpha$ ) Isomer:
		(b) Beta ( $\beta$ ) Isomer
		(c) Gamma ( $\gamma$ ) Isomer (Known as Lindane)
		(d) Delta ( $\delta$ ) Isomer
		Quinolphos
		<b>Antibiotic residue and othe pharmacologically active substances</b>
		Tetracycline
		Oxytetracycline

Std. Nos.	Categories	Parameters
		Trimethoprim
		Oxolinic acid
		<b>Polychlorinated biphenyls (PCBs) and Polycyclic Aromatic Hydrocarbon (PAH) compounds</b>
		Polychlorinated biphenyls (Sum of PCB28, PCB52, PCB101, PCB138, PCB153 and PCB180)
		<b>Microbiological Safety</b>
		Total Plate Count
		<i>E. coli</i>
		<i>Staphylococcus aureus</i>
		<i>Salmonella &amp; Shigella</i>
		<i>Vibro cholera</i>
		<i>Vibro parahaemolyticus</i>
		Incubation of sealed container at 37 °C for 7 days
		<i>Clostridium perfringens</i>
		<i>Listeria sp</i>
<b>2.6.11</b>	<b>CANNED SALMON</b>	<b>General Parameters</b>
		Canned salmon means the product prepared from fresh fish of sound quality belonging to any of the species of <i>Salmosalar</i> or <i>Oncorhynchus nerka/kisutchl tschawytscha/gorboscha/ketax</i> and <i>masou</i> species.
		Physical examination for moulds, living and dead insects, insect fragments and rodent contamination(hair, excreta) visible to the naked eye and free from objectionable odour
		Physical examination for fish head, fins, tail and viscera
		Rust and mechanical defects of container
		Benzoic acid, Sodium and Potassium benzoate
		Potassium bi sulphite
		Potassium sulphite
		Sodium metabi sulphite
		Sodiumbi sulphite
		Sorbic acid and its Calcium, Sodium, Potassium Salts (Calculated as sorbic acid)
		Test for Synthetic colour and inorganic colouring matter
		a. Erythrosine
		b. Carmoisine
		c. Ponceau 4R
		d. Fast green FCF
		e. Indigo carmine
		f. Brilliant blue FCF

Std. Nos.	Categories	Parameters
		g. Sunset Yellow FCF
		h. Tartrazine
		Test for Antioxidants
		a. BHA
		b. TBHQ
		<b>Quality Parameters</b>
		Total Volatile Base (Nitrogen)
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Cadmium
		Zinc
		<b>Pesticides</b>
		Carbaryl
		D.D.T. (The limits apply to D.D.T., D.D.D. and D.D.E. singly or in any combination)
		Endosulfan (residues are measured and reported as total of endosulfan A and B and endosulfan-sulphate)
		Hexachlorocyclohexane and its Isomers
		(a) Alfa ( $\alpha$ ) Isomer:
		(b) Beta ( $\beta$ ) Isomer
		(c) Gamma ( $\gamma$ ) Isomer (Known as Lindane)
		(d) Delta ( $\delta$ ) Isomer
		Quinolphos
		<b>Antibiotic residue and othe pharmacologically active substances</b>
		Tetracycline
		Oxytetracycline
		Trimethoprim
		Oxolinic acid
		<b>Polychlorinated biphenyls (PCBs) and Polycyclic Aromatic Hydrocarbon (PAH) compounds</b>
		Polychlorinated biphenyls (Sum of PCB28, PCB52, PCB101, PCB138, PCB153 and PCB180)
		<b>Microbiological Safety</b>
		Total Plate Count
		<i>E. coli</i>

Std. Nos.	Categories	Parameters
		<i>Staphylococcus aureus</i>
		<i>Salmonella &amp; Shigella</i>
		<i>Vibro cholera</i>
		<i>Vibro parahaemolyticus</i>
		Incubation of sealed container at 37 °C for 7 days
		<i>Listeria sp</i>
<b>2.6.12</b>	<b>CANNED CRAB</b>	<b>General Parameters</b>
		Canned crab meat means the product prepared from live crabs of sound quality from any of the edible species of the suborder Branchyura or the order Decapoda and all species of the family Lithodiadae. The product shall be prepared singly or in combination from the leg, claw, body and shoulder meat from which the shell has been removed.
		Physical examination for moulds, living and dead insects, insect fragments and rodent contamination(hair, excreta) visible to the naked eye and free from objectionable odour
		Rust and mechanical defects of container
		Benzoic acid, Sodium and Potassium benzoate
		Potassium bi sulphite
		Potassium sulphite
		Sodium metabi sulphite
		Sodiumbi sulphite
		Sorbic acid and its Calcium,Sodium, Potassium Salts (Calculated as sorbic acid)
		Test for Synthetic colour and inorganic colouring matter
		a. Erythrosine
		b. Carmoisine
		c. Ponceau 4R
		d. Fast green FCF
		e. Indigo carmine
		f. Brilliant blue FCF
		g. Sunset Yellow FCF
		h. Tartrazine
		Test for Antioxidants
		a. BHA
		b. TBHQ
		Test for Monosodium glutamate
		<b>Quality Parameters</b>
		Total Volatile Base (Nitrogen)
		Acidity in brine expressed as citric acid

Std. Nos.	Categories	Parameters
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Cadmium
		Zinc
		<b>Pesticides</b>
		Carbaryl
		D.D.T. (The limits apply to D.D.T., D.D.D. and D.D.E. singly or in any combination)
		Endosulfan (residues are measured and reported as total of endosulfan A and B and endosulfan-sulphate)
		Hexachlorocycle hexane and its Isomers
		(a) Alfa ( $\alpha$ ) Isomer:
		(b) Beta ( $\beta$ ) Isomer
		(c) Gamma ( $\gamma$ ) Isomer (Known as Lindane)
		(d) Delta ( $\delta$ ) Isomer
		Quinolphos
		<b>Antibiotic residue and othe pharmacologically active substances</b>
		Tetracycline
		Oxytetracycline
		Trimethoprim
		Oxolinic acid
		<b>Polychlorinated biphenyls (PCBs) and Polycyclic Aromatic Hydrocarbon (PAH) compounds</b>
		Polychlorinated biphenyls (Sum of PCB28, PCB52, PCB101, PCB138, PCB153 and PCB180)
		<b>Microbiological Safety</b>
		Total Plate Count
		<i>E. coli</i>
		<i>Staphylococcus aureus</i>
		<i>Salmonella &amp; Shigella</i>
		<i>Vibro cholera</i>
		<i>Vibro parahaemolyticus</i>
		Incubation of sealed container at 37 °C for 7 days
		<i>Listeria sp</i>

Std. Nos.	Categories	Parameters
2.6.13	CANNED TUNA AND BONITO	<b>General Parameters</b>
		Canned Tuna and Bonito means the product prepared from fresh fish of sound quality belonging to Thunnus alalunga/albacares/ atlanticus/ obessus/ maccoyii/ thynnus/ tongoe, Euthynnus affinis/ alleteratus/ Jinlatus/ Sarda chilentis/orientalis/ Sarda and Katsuwonus pelamis (syn Euthynnus pelamis) species. The product may be in the form of segments with or without skin, chunks, flakes or grated / shredded particles
		Physical examination for moulds, living and dead insects, insect fragments and rodent contamination(hair, excreta) visible to the naked eye and free from objectionable odour
		Rust and mechanical defects of container
		Benzoic acid, Sodium and Potassium benzoate
		Potassium bi sulphite
		Potassium sulphite
		Sodium metabi sulphite
		Sodium sulphite
		Sorbic acid and its Calcium, Sodium, Potassium Salts (Calculated as sorbic acid)
		Test for Synthetic colour and inorganic colouring matter
		a. Erythrosine
		b. Carmoisine
		c. Ponceau 4R
		d. Fast green FCF
		e. Indigo carmine
		f. Brilliant blue FCF
		g. Sunset Yellow FCF
		h. Tartrazine
		Test for Antioxidants
		a. BHA
		b. TBHQ
		<b>Quality Parameters</b>
		Total Volatile Base (Nitrogen)
		Histamine
		<b>Metal Contaminants</b>

Std. Nos.	Categories	Parameters
		Lead
		Copper
		Arsenic
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Cadmium
		Zinc
		<b>Pesticides</b>
		Carbaryl
		D.D.T. (The limits apply to D.D.T., D.D.D. and D.D.E. singly or in any combination)
		Endosulfan (residues are measured and reported as total of endosulfan A and B and endosulfan-sulphate)
		Hexachlorocyclohexane and its Isomers
		(a) Alfa ( $\alpha$ ) Isomer:
		(b) Beta ( $\beta$ ) Isomer
		(c) Gamma ( $\gamma$ ) Isomer (Known as Lindane)
		(d) Delta ( $\delta$ ) Isomer
		Quinolphos
		<b>Antibiotic residue and other pharmacologically active substances</b>
		Tetracycline
		Oxytetracycline
		Trimethoprim
		Oxolinic acid
		<b>Polychlorinated biphenyls (PCBs) and Polycyclic Aromatic Hydrocarbon (PAH) compounds</b>
		Polychlorinated biphenyls (Sum of PCB28, PCB52, PCB101, PCB138, PCB153 and PCB180)
		<b>Microbiological Safety</b>
		Total Plate Count
		<i>E. coli</i>
		<i>Staphylococcus aureus</i>
		<i>Salmonella &amp; Shigella</i>
		<i>Vibrio cholera</i>
		<i>Vibrio parahaemolyticus</i>
		Incubation of sealed container at 37 °C for 7 days
		<i>Listeria sp</i>

The use of any of the following antibiotics and other PAS shall be prohibited in any unit processing sea food including shrimps, prawns or any other variety of fish and fishery products.

1. All Nitrofurans including
  - a.Furaltadone
  - Furazolidone
  - Furylfuramide
  - Nifuratel
  - Nifuroxime
  - Nifurprazime
  - Nitrofurantoin
  - Nitrofurazone
2. Chloramphenicol
3. Neomycin
4. Nalidixic acid
5. Sulphamethoxazole
6. Aristolochia spp and preparation thereof
7. Chloroform
8. Chlorpromazine
9. Cholchicine
10. Dapsone
11. Dimetridazole
12. Metronidazole
13. Ronidazole
14. Ipronidazole
15. Other Nitromidazoles
16. Clenbuterol
17. Diethylstilbestrol (DES)
18. Sulphonamides drugs (Except approved Sulfadimethoxine, Sulfabromomithaxine and Sulfaethoxypyridazine)
19. Fluoroquinolones
20. Glycopeptides

# **Volume-7**

# **Sweets and Confectionery**

## TEST PARAMETERS FOR SWEETS & CONFECTIONERY

**In case the product contains any permitted additives as per Appendix A, the testing for the additive is also required to be carried out in addition to the prescribed parameters.**

**Test methods described in the manuals as amended and adopted by FSSAI from time to time shall only be used for analyzing the samples of Food Articles.**

Std. Nos.	Categories	Parameters
<b>2.7</b>	<b>SWEETS &amp; CONFECTIONERY</b>	
<b>2.7.1</b>	<b>SUGAR BOILED CONFECTIONERY</b>	<b>General Parameters</b>
		Sugar boiled confectionery whether sold as hard boiled sugar confectionery or pan goods confectionery or toffee or milk toffee or modified toffee or lacto-bon-bon or by any other name shall mean a processed composite food article made from sugar with or without doctoring agents such as cream of tartar by process of boiling whether panned or not. It may contain centre filling, or otherwise, which may be in the form of liquid, semi-solid or solids with or without coating of sugar or chocolate or both.
		Physical examination for moulds, living and dead insects, insect fragments and rodent contamination(hair, excreta) visible to the naked eye
		Benzoic acid, Sodium and Potassium benzoate
		Sulphur dioxide
		Sorbic acid and its Calcium, Sodium, Potassium Salts (Calculated as sorbic acid)
		Test for Talc
		Test for Mineral oil
		Test for Synthetic colour and inorganic colouring matter
		a. Erythrosine
		b. Carmoisine
		c. Ponceau 4R
		d. Fast green FCF
		e. Indigo carmine
		f. Brilliant blue FCF
		g. Sunset Yellow FCF
		h. Tartrazine
		i. Titanium dioxide
		Test for Antioxidants
		a. BHA

Std. Nos.	Categories	Parameters
		b. TBHQ
		Tocopherol
		Test for Artificial sweeteners (singly)
		a. Aspartame
		b. Acesulphame K
		c. Saccharin Sodium
		d. Sucralose
		<b>Quality Parameters</b>
		Ash sulphated (on salt free basis)
		In case of sugar boiled confectionery where spices are used as centre filling
		Ash insoluble (in dilute Hydrochloric acid)
		In case of sugar boiled confectionery where spices are used as centre filling
		<b>(1) Milk toffee</b>
		(i) Total protein (N x 6.25)
		(ii) Fat content
		<b>(2) Butter toffee</b>
		Fat content
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Zinc
		Cadmium
		<b>Naturally occurring toxic substances (for Milk toffee)</b>
		Aflatoxin M1
		Hydrocyanic acid
		<b>Pesticides (For Milk Toffee)</b>
		Aldrin, dieldrin (the limits apply to aldrin and dieldrin singly or in any combination and are expressed as dieldrin)
		Chlordane (residue to be measured as cis plus trans chlordane)
		D.D.T. (The limits apply to D.D.T., D.D.D. and D.D.E. singly or in any combination)
		Fenitrothion
		Heptachlor (combined residues of heptachlor and its epoxide to be determined and expressed as Heptachlor)

Std. Nos.	Categories	Parameters
		Hexachlorocycle hexane and its Isomers
		Gamma ( $\gamma$ ) Isomer (Known as Lindane)
		Chlorienvinphos(Residues to be measured as alpha and beta isomers of Chlorienvinphos)
		Chlorpyrifos
		2,4D
		Ethion (Residues to be determined as ethion and its oxygen analogue and expressed as ethion)
		Monocrotophos
		Carbendazim
		Benomyl
		Carbofuran (sum of carbofuran and 3-hydroxy carbofuran expressed as carbofuran)
		Cypermethrin (sum of isomers) (fat soluble residue)
		Edifenphos
		Fenthion (sum of fenthion, its oxygen analogue and their sulphoxides and sulphones expressed as fenthion)
		Fenvalerate (fat soluble residue)
		Phenthoate
		Phorate (sum of Phorate, its oxygen analogue and their sulphoxides and sulphones, expressed as phorate)
		Pirimiphos-methyl
<b>2.7.2</b>	<b>LOZENGES</b>	<b>General Parameters</b>
		Lozenges shall mean confections made mainly out of pulverised sugar, or icing sugar with binding materials such as edible gums, edible gelatine, liquid glucose or dextrin and generally made from cold mixing which does not require primary boiling or cooking of the ingredients.
		Physical examination for moulds, living and dead insects, insect fragments and rodent contamination(hair, excreta) visible to the naked eye
		Benzoic acid, Sodium and Potassium benzoate
		Sulphur dioxide
		Sorbic acid and its Calcium, Sodium, Potassium Salts (Calculated as sorbic acid)
		Sodium Aluminium Silicate
		Test for Talc
		Test for Mineral oil
		Test for Synthetic colour and inorganic colouring matter
		a. Erythrosine

Std. Nos.	Categories	Parameters
		b. Carmoisine
		c. Ponceau 4R
		d. Fast green FCF
		e. Indigo carmine
		f. Brilliant blue FCF
		g. Sunset Yellow FCF
		h. Tartrazine
		Test for Antioxidants
		a. BHA
		b. TBHQ
		Test for Artificial sweeteners (singly)
		a. Aspartame
		b. Acesulphame K
		c. Saccharin Sodium
		d. Test for Sucralose
		<b>Quality Parameters</b>
		Sucrose content
		Ash Sulphated (salt free basis)
		Ash insoluble in dilute Hydrochloric acid
		<b>Naturally occurring toxic substance</b>
		Hydrocyanic acid
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Zinc
		Cadmium
<b>2.7.3</b>	<b>CHEWING GUM AND BUBBLE GUM</b>	<b>General Parameters</b>
		Chewing gum and bubble gum shall be prepared from chewing gum base, or bubble gum base, natural or synthetic, non-toxic; cane sugar and liquid glucose (corn syrup).
		Physical examination for moulds, living and dead insects, insect fragments and rodent contamination(hair, excreta) visible to the naked eye

Std. Nos.	Categories	Parameters
		Benzoic acid, Sodium and Potassium benzoate
		Sulphur dioxide
		Sorbic acid and its Calcium, Sodium, Potassium Salts (Calculated as sorbic acid)
		Test for Talc
		Test for Mineral oil
		Test for Synthetic colour and inorganic colouring matter
		a. Erythrosine
		b. Carmoisine
		c. Ponceau 4R
		d. Fast green FCF
		e. Indigo carmine
		f. Brilliant blue FCF
		g. Sunset Yellow FCF
		h. Tartrazine
		i. Titanium dioxide
		Test for Antioxidants
		a. BHA
		b. TBHQ
		Tocopherol
		Test for Artificial sweeteners
		a. Aspartame
		b. Acesulphame K
		c. Saccharin Sodium
		d. Sucralose
		Test for Non Nutritive sweeteners
		a. Steviol Glycoside
		<b>Quality Parameters</b>
		<b>Chewing gum</b>
		Gum
		Moisture
		Sulphated Ash
		Acid insoluble ash
		Reducing sugars (calculated as dextrose)
		Sucrose
		<b>Bubble gum</b>
		Gum
		Moisture
		Sulphated Ash
		Acid insoluble ash
		Reducing sugars (calculated as dextrose)

Std. Nos.	Categories	Parameters
		Sucrose
		<b>Naturally occurring toxic substance</b>
		Hydrocyanic acid
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Zinc
		Cadmium
<b>2.7.4</b>	<b>CHOCOLATE</b>	<b>General Parameters</b>
		Chocolate means a homogeneous product obtained by an adequate process of manufacture from a mixture of one or more of the ingredients, namely, cocoa beans, cocoa nib, cocoa mass, cocoa press cake and cocoa dust (cocoa fines/powder), including fat reduced cocoa powder with or without addition of sugars, cocoa butter, milk solids including milk fat The chocolates shall not contain any vegetable fat other than cocoa butter.
		Physical examination for moulds, living and dead insects, insect fragments and rodent contamination(hair, excreta) visible to the naked eye
		Test for rancidity
		Benzoic acid, Sodium and Potassium benzoate
		Sulphur dioxide
		Sorbic acid and its Calcium, Sodium, Potassium Salts (Calculated as sorbic acid)
		Test for Mineral oil
		Vegetable Fat
		Test for Natural colors
		a. Chlorophyll
		b. Caramel
		c. Curcumin or turmeric
		d. Beta carotene
		e. Beta apo-8 carotenal
		f. Methyl ester of Beta apo-8 carotenin acid
		g. Ethyl ester of Beta apo-8 carotenin acid

Std. Nos.	Categories	Parameters
		h. Canthaxanthin
		i. Riboflavin, Lactoflavin
		j. Annato
		k. Saffron
		Test for Synthetic colour and inorganic colouring matter
		a. Erythrosine
		b. Carmoisine
		c. Ponceau 4R
		d. Fast green FCF
		e. Indigo carmine
		f. Brilliant blue FCF
		g. Sunset Yellow FCF
		h. Tartrazine
		i. Titanium dioxide
		Test for Antioxidants
		a. BHA
		b. TBHQ
		c. Tocopherol
		d. Propyl gallate
		Test for Artificial sweeteners (singly)
		a. Aspartame
		b. Acesulphame K
		c. Saccharin Sodium
		d. Sucralose
		<b>Quality Parameters</b>
		<b>1. Milk Chocolate</b>
		Total fat (on dry basis)
		Milk fat (on dry basis)
		Cocoa solids(on Moisture-free and fat free basis)
		Milk Solids (on Moisture-free and fat-free basis)
		Acid insoluble ash(on moisture fat and sugar free basis)
		<b>2. Milk Covering Chocolate</b>
		Total fat (on dry basis)
		Milk fat (on dry basis)
		Cocoa solids(on Moisture-free and fat free basis)
		Milk Solids (on Moisture-free and fat-free basis)
		Acid insoluble ash(on moisture fat and sugar free basis)
		<b>3. Plain Chocolate</b>
		Total fat (on dry basis)
		Cocoa solids(on Moisture-free and fat free basis)

Std. Nos.	Categories	Parameters
		Acid insoluble ash(on moisture fat and sugar free basis)
		<b>4. Plain Covering Chocolate</b>
		Total fat (on dry basis)
		Cocoa solids(on Moisture-free and fat free basis)
		Acid insoluble ash(on moisture fat and sugar free basis)
		<b>5. White Chocolate</b>
		Total fat (on dry basis)
		Milk fat (on dry basis)
		Milk Solids (on Moisture-free and fat-free basis)
		Acid insoluble ash(on moisture fat and sugar free basis)
		<b>6.Blended Chocolate</b>
		Total fat (on dry basis)
		Cocoa solids(on Moisture-free and fat free basis)
		Milk Solids (on Moisture-free and fat-free basis)
		Acid insoluble ash(on moisture fat and sugar free basis)
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Zinc
		Cadmium
		<b>Pesticides (For all Chocolate containing milk and milk products)</b>
		Aldrin, dieldrin (the limits apply to aldrin and dieldrin singly or in any combination and are expressed as dieldrin)
		Chlordane (residue to be measured as cis plus trans chlordane)
		D.D.T. (The limits apply to D.D.T., D.D.D. and D.D.E. singly or in any combination)
		Fenitrothion
		Heptachlor (combined residues of heptachlor and its epoxide to be determined and expressed as Heptachlor)
		Hexachlorocycle hexane and its Isomers
		a. Gamma ( $\gamma$ ) Isomer (Known as Lindane)
		b. Gamma ( $\gamma$ ) Isomer (Known as Lindane)
		Chlorienvinphos(Residues to be measured as alpha and beta isomers of Chlorienvinphos)
		Chlorpyrifos
		2,4D

Std. Nos.	Categories	Parameters
		Ethion (Residues to be determined as ethion and its oxygen analogue and expressed as ethion)
		Monocrotophos
		Carbendazim
		Benomyl
		Carbofuran (sum of carbofuran and 3-hydroxy carbofuran expressed as carbofuran)
		Cypermethrin (sum of isomers) (fat soluble residue)
		Edifenphos
		Fenthion (sum of fenthion, its oxygen analogue and their sulphoxides and sulphones expressed as fenthion)
		Fenvalerate (fat soluble residue)
		Phenthoate
		Phorate (sum of Phorate, its oxygen analogue and their sulphoxides and sulphones, expressed as phorate)
		Pirimiphos-methyl
		<b>Naturally occurring toxic substances (for chocolate containing milk or milk products)</b>
		Aflatoxin M1
		Hydrocyanic acid
<b>2.7.5</b>	<b>ICE LOLLIES OR EDIBLE ICES</b>	<b>General Parameters</b>
<b>2.7.5.1</b>	<b>Ice lollies or edible ices Ice candy</b>	"ICE LOLLIES OR EDIBLE ICES" means the frozen ice produce which may contain sugar, syrup, fruit, fruit juices, cocoa, citric acid, permitted flavours and colours. It may also contain permitted stabilizers and/or emulsifiers not exceeding 0.5 per cent by weight. It shall not contain any artificial sweetner.
		Physical examination for moulds, living and dead insects, insect fragments and rodent contamination (hair, excreta) visible to the naked eye
		Benzoic acid, Sodium and Potassium benzoate
		Sulphur dioxide
		Sorbic acid and its Calcium, Sodium, Potassium Salts (Calculated as sorbic acid)
		Test for Natural colors
		Chlorophyll
		Caramel colors plain
		Curcumin
		Beta carotene
		Beta apo-8 carotenal

Std. Nos.	Categories	Parameters
		Methyl ester of Beta apo-8 carotenoic acid acid
		Ethyl ester of Beta apo-8 carotenoic acid
		Canthaxanthin
		Riboflavin, Lactoflavin
		Annato extract
		Test for Synthetic colour and inorganic colouring matter
		a. Erythrosine
		b. Carmoisine
		c. Ponceau 4R
		d. Fast green FCF
		e. Indigo carmine
		f. Brilliant blue FCF
		g. Sunset Yellow FCF
		h. Tartrazine
		Test for Antioxidants
		a. BHA
		b. TBHQ
		c. Tocopherol and Glycerol
		Test for Artificial sweeteners (singly)
		a. Aspartame
		b. Acesulphame K
		c. Saccharin Sodium
		d. Sucralose
		<b>Test for Non Nutritive Sweetener</b>
		Steviol Glycoside
		<b>Quality Parameters</b>
		Total sugars expressed as Sucrose
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Zinc
		Cadmium
		<b>Pesticides (Potable Water limits)</b>
		All pesticides
		<b>Naturally occurring toxic substance</b>
		Hydrocyanic acid

Std. Nos.	Categories	Parameters
		<b>Microbiological Parameters</b>
		Total plate count
		Coliform count
		<i>E.coli</i>
		<i>Salmonella spp</i>
		<i>S. aureus</i>
		Yeast & mould count
		<i>Listeria monocytogenes</i>

**\*Products should be free from all adulterants .**

# **Volume-8**

## **Sweetening Agents Including Honey**

## TEST PARAMETERS FOR SWEETENING AGENTS INCLUDING HONEY

In case the product contains any permitted additives as per Appendix A, the testing for the additive is also required to be carried out in addition to the prescribed parameters.

Test methods described in the manuals as amended and adopted by FSSAI from time to time shall only be used for analyzing the samples of Food Articles.

Std. Nos.	Categories	Parameters
<b>2.8</b>	<b>SWEETENING AGENTS INCLUDING HONEY</b>	
<b>2.8.1</b>	<b>SUGAR</b>	
<b>2.8.1.1</b>	<b>Plantation white sugar</b>	<b>General Parameters</b>
		PLANTATION WHITE SUGAR (commonly known as sugar) means the crystallised product obtained from sugarcane or sugar beet
		Physical examination for dirt, filth, iron filings, moulds, living and dead insects, insect fragments and rodent contamination(hair, excreta) visible to the naked eye
		Test for iron filings
		Test for added Natural colours (Curcumin, Riboflavin,Chlorophyll, Beta carotene, Carotene(Natural extract),Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours(Plain), Caramel colours(Ammonium Sulphite process)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		Test for sulphur di oxide
		<b>Quality Parameters</b>
		Extraneous matter
		Moisture (when heated at 105 ± 1° C for 3 hours)
		Sucrose
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Zinc

Std. Nos.	Categories	Parameters
		Cadmium
<b>2.8.1.2</b>	<b>Refined Sugar</b>	<b>General Parameters</b>
		REFINED SUGAR means the white crystallised sugar obtained by refining of plantation white sugar
		Physical examination for dirt, filth, iron fillings, moulds, living and dead insects, insect fragments and rodent contamination(hair, excreta) visible to the naked eye
		Test for iron fillings
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Beta carotene, Carotene(Natural extract), Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours(Plain), Caramel colours(Ammonium Sulphite process)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		Test for sulphur di oxide
		<b>Quality Parameters</b>
		Extraneous matter
		Moisture (when heated at $105 \pm 1^{\circ}$ C for 3 hours)
		Sucrose
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Zinc
		Cadmium
		Chromium
<b>2.8.1.3</b>	<b>Khandasari Sugar</b>	<b>General Parameters</b>
		KHANDSARI SUGAR obtained from sugarcane juice by open pan process may be of two varieties, namely: (i) Khandasari Sugar Desi; and (ii) Khandasari Sugar (sulphur) also known as "Sulphur Sugar". It may be crystalline or in powder form
		Physical examination for dirt, filth, iron fillings, moulds, living and

Std. Nos.	Categories	Parameters
		dead insects, insect fragments and rodent contamination(hair, excreta) visible to the naked eye
		Test for iron filings
		Test for added Natural colours (Curcumin, Riboflavin,Chlorophyll, Beta carotene, Carotene(Natural extract),Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours(Plain), Caramel colours(Ammonium Sulphite process)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		<b>Quality Parameters</b>
		Extraneous matter
		<b>Khandsari Sugar (Sulphur Sugar)</b>
		Moisture (when heated at 105° ± 1° C for 3 hours)
		Ash insoluble in dilute hydrochloric acid
		Sucrose
		Test for sulphur di oxide
		<b>Khandsari Sugar (Desi)</b>
		Moisture (when heated at 105° ± 1° C for 3 hours)
		Ash insoluble in dilute hydrochloric acid
		Sucrose
		Test for sulphur di oxide
		<b>Khandsari sugar can be distinguished from plantation white sugar on the following characteristics,namely:</b>
		<b>Khandsari Sugar (Sulphur Sugar)</b>
		Conductivity (106 mho/cm <sup>2</sup> )
		Calcium oxide (mg/100gms)
		<b>Khandsari Sugar (Desi)</b>
		Conductivity (106 mho/cm <sup>2</sup> )
		Calcium oxide (mg/100gms)
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Zinc
		Cadmium

Std. Nos.	Categories	Parameters
2.8.1.4	Bura sugar	<b>General Parameters</b>
		BURA SUGAR means the fine grain size product made out of any kind of sugar.
		Physical examination for dirt, filth, moulds, living and dead insects, insect fragments and rodent contamination(hair, excreta) visible to the naked eye
		Test for iron filings
		Test for added Natural colours (Curcumin, Riboflavin,Chlorophyll, Beta carotene, Carotene(Natural extract),Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours(Plain), Caramel colours(Ammonium Sulphite process)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		Test for sulphur di oxide
		<b>Quality Parameters</b>
		Extraneous matter
		Sucrose
		Ash insoluble in dilute hydrochloric acid
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Zinc
		Cadmium
2.8.1.5	Sugar cubes	<b>General Parameters</b>
		CUBE SUGAR means the sugar in the form of cube or cuboid blocks manufactured from refined crystallized sugar.
		Physical examination for dirt, filth, moulds, living and dead insects, insect fragments and rodent contamination(hair, excreta) visible to the naked eye
		Test for iron filings
		Test for added Natural colours (Curcumin, Riboflavin,Chlorophyll, Beta carotene, Carotene(Natural extract),Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours(Plain), Caramel colours(Ammonium Sulphite process)

Std. Nos.	Categories	Parameters
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		Test for sulphur di oxide
		<b>Quality Parameters</b>
		Sucrose
		Moisture
		Total ash
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Zinc
		Cadmium
		Chromium
<b>2.8.1.6</b>	<b>Icing sugar</b>	<b>General Parameters</b>
		ICING SUGAR means the sugar manufactured by pulverizing refined sugar or vacuum pan (plantation white) sugar with or without edible starch.
		Physical examination for dirt, filth, moulds, living and dead insects, insect fragments and rodent contamination(hair, excreta) visible to the naked eye
		Test for iron filings
		Extraneous matter
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Beta carotene, Carotene(Natural extract), Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours(Plain), Caramel colours(Ammonium Sulphite process)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		Test for sulphur di oxide
		<b>Quality Parameters</b>
		Total starch and sucrose (moisture free)
		Moisture
		Starch

Std. Nos.	Categories	Parameters
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Zinc
		Cadmium
		Chromium
<b>2.8.2</b>	<b>MISRI</b>	<b>General Parameters</b>
		MISRI means the product made in the form of candy obtained from any kind of sugar or palmyrah juice.
		Physical examination for dirt filth, moulds, living and dead insects, insect fragments and rodent contamination(hair, excreta) visible to the naked eye
		Test for iron filings
		Test for added Natural colours (Curcumin, Riboflavin,Chlorophyll, Beta carotene, Carotene(Natural extract),Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours(Plain), Caramel colours(Ammonium Sulphite process)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		Test for sulphur di oxide
		<b>Quality Parameters</b>
		Extraneous matter
		Total ash
		Total Sugar (Called, known or expressed as Sucrose)
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Zinc
		Cadmium

Std. Nos.	Categories	Parameters
2.8.3	HONEY	<b>General Parameters</b>
		HONEY means the natural sweet substance produced by honey bees from the nectar of blossoms or from secretions of plants which honey bees collect, transform store in honey combs for ripening.
		Physical examination for dirt, scum, pieces of beeswax, the fragments of bees and other insects and rodent contamination(hair, excreta) visible to the naked eye
		Test for added Natural colours (Curcumin, Riboflavin,Chlorophyll, Beta carotene, Carotene(Natural extract),Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours(Plain), Caramel colours(Ammonium Sulphite process)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		<b>Quality Parameters</b>
		Specific gravity at 27 °C
		Moisture
		Total reducing sugars
		Total reducing sugar for <i>Carbia colossa</i> and Honey dew
		Sucrose
		Sucrose for <i>Carbia colossa</i> and Honey dew
		Fructose-glucose ratio
		Ash
		Acidity (Expressed as formic acid)
		Fiehe's test
		Hydroxy methyl furfural (HMF),
		If Fiehe's test is positive, and hydroxy methyl furfural (HMF) content is more than 80 mg/kg then fructose glucose ratio should be 1.0 or more.
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Zinc
		Cadmium
		<b>Antibiotic residues</b>
		Chloramphenicol
		Nitrofurans and its metabolites

Std. Nos.	Categories	Parameters
		Sulfonamides and its metabolites
		Streptomycin
		Tetracycline
		Oxytetracycline
		Chlortetracycline
		Ampicilin
		Enrofloxacin
		Ciprofloxacin
		Erythromycin
		Tylosin
		<b>* Limits of quantitation based on LC-MS/MS method</b>
<b>2.8.4</b>	<b>GUR OR JAGGERY</b>	<b>General Parameters</b>
		GUR OR JAGGERY means the product obtained by boiling or processing juice pressed out of sugarcane or extracted from palmyra palm, date palm or coconut palm
		Physical examination for moulds, living and dead insects, insect fragments and rodent contamination(hair, excreta) visible to the naked eye
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Beta carotene, Carotene(Natural extract), Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours(Plain), Caramel colours(Ammonium Sulphite process)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		Test for sulphur di oxide
		<b>Quality Parameters</b>
		Moisture
		Total sugars expressed as invert sugar
		Extraneous matter insoluble in water
		Total ash
		Ash insoluble in hydrochloric acid (HCl)
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Mercury
		Methyl Mercury calculated as the element

Std. Nos.	Categories	Parameters
		Tin
		Zinc
		Cadmium
<b>2.8.5</b>	<b>DEXTROSE</b>	<b>General Parameters</b>
<b>2.8.5.1</b>	<b>Dextrose</b>	DEXTROSE is a white or light cream granular powder, odourless and having a sweet taste. When heated with potassium cupritartrate solution it shall produce a copious precipitate of cuprous oxide.
		Physical examination for moulds, living and dead insects, insect fragments and rodent contamination(hair, excreta) visible to the naked eye
		Test for added Natural colours (Curcumin, Riboflavin,Chlorophyll, Beta carotene, Carotene(Natural extract),Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours(Plain), Caramel colours(Ammonium Sulphite process)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		Test for starch
		Test for sulphur di oxide
		<b>Quality Parameters</b>
		Sulphated ash
		Acidity
		Glucose
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Zinc
		Cadmium
<b>2.8.6</b>	<b>GOLDEN SYRUP</b>	<b>General Parameters</b>
<b>2.8.6.1</b>	<b>Golden Syrup</b>	GOLDEN SYRUP means the syrup obtained by inversion of sugar. It shall be golden yellow in colour, pleasant in taste and free from any crystallisation.

Std. Nos.	Categories	Parameters
		Physical examination for moulds, living and dead insects, insect fragments and rodent contamination(hair, excreta) visible to the naked eye
		Test for added Natural colours (Curcumin, Riboflavin,Chlorophyll, Beta carotene, Carotene(Natural extract),Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours(Plain), Caramel colours(Ammonium Sulphite process)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		Test for sulphur di oxide
		Physical examination for Crystallisation
		<b>Quality Parameters</b>
		Moisture
		Total Ash
		Total Sugar as invert sugar
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Zinc
		Cadmium
<b>2.8.7</b>	<b>DRIED GLUCOSE SYRUP</b>	<b>General Parameters</b>
<b>2.8.7.1</b>	<b>Dried Glucose Syrup</b>	DRIED GLUCOSE SYRUP means the material in the form of coarse or fine, white to creamish white powder, sweet to taste, bland in flavour and somewhat hygroscopic.
		Physical examination for dirt, fermentation, moulds, living and dead insects, insect fragments and rodent contamination(hair, excreta) visible to the naked eye
		Test for added Natural colours (Curcumin, Riboflavin,Chlorophyll, Beta carotene, Carotene(Natural extract),Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours(Plain), Caramel colours(Ammonium Sulphite process)
		Test for synthetic colors

Std. Nos.	Categories	Parameters
		(Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		Test for sulphur di oxide
		<b>Quality Parameters</b>
		Total solid contents
		Reducing sugar content
		Total sugar as invert sugar
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Zinc
		Cadmium
<b>2.8.8</b>	<b>SACCHARIN</b>	<b>General Parameters</b>
		SACCHARIN SODIUM commonly known as soluble Saccharin having an empirical formula as $C_7H_4NNaO_3S \cdot 2H_2O$ and molecular weight as 241.2
		Physical examination for moulds, living and dead insects, insect fragments and rodent contamination(hair, excreta) visible to the naked eye
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Beta carotene, Carotene(Natural extract), Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours(Plain), Caramel colours(Ammonium Sulphite process)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		<b>Quality Parameters</b>
		Solubility at 20°C in 1.5 parts of water and 50 parts of alcohol (95 %)
		Melting point
		Loss on drying of the material at 105°C
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic

Std. Nos.	Categories	Parameters
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Zinc
		Cadmium
<b>2.8.9</b>	<b>ASPARTYL PHENYL ALANINE METHYL ESTER (ASPARTAME)</b>	<b>General Parameters</b>
<b>2.8.9.1</b>	<b>Aspartyl Phenyl Alanine Methyl Ester</b>	Aspartyl Phenyl Alanine Methyl Ester commonly known as Aspartame, having empirical formula as C <sub>14</sub> H <sub>18</sub> N <sub>2</sub> O <sub>5</sub> and molecular weight as 294.31 shall be the material which is slightly soluble in water and Methanole
		Physical examination for moulds, living and dead insects, insect fragments and rodent contamination(hair, excreta) visible to the naked eye
		Test for added Natural colours (Curcumin, Riboflavin,Chlorophyll, Beta carotene, Carotene(Natural extract),Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours(Plain), Caramel colours(Ammonium Sulphite process)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		<b>Quality Parameters</b>
		Loss on drying of the material at 105°C for 4 hours
		Sulphated Ash
		Diketo piperazine
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Chromium
		Zinc
		Cadmium

Std. Nos.	Categories	Parameters
2.8.10	<b>ACESULFAME POTASSIUM</b>	<b>General Parameters</b>
2.8.10.1	<b>Acesulfame Potassium</b>	Acesulfame Potassium commonly known as Acesulfame-K, having empirical formula C <sub>4</sub> H <sub>4</sub> KNO <sub>4</sub> S, molecular weight as 201.24
		Physical examination for moulds, living and dead insects, insect fragments and rodent contamination(hair, excreta) visible to the naked eye
		Test for added Natural colours (Curcumin, Riboflavin,Chlorophyll, Beta carotene, Carotene(Natural extract),Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours(Plain), Caramel colours(Ammonium Sulphite process)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		Test for Fluoride
		<b>Quality Parameters</b>
		Loss on drying of the material at 105°C for 2 hours
		Sulphated Ash
		Solubility
		<b>Metal Contaminants</b>
		Total heavy metal content (Lead, Copper, Arsenic, Mercury, Methyl Mercury calculated as element, Tin, Chromium, Zinc, Cadmium)
2.8.11	<b>SUCRALOSE</b>	<b>General Parameters</b>
2.8.11.1	<b>Sucralose</b>	Sucralose: Chemical formula - C <sub>12</sub> H <sub>19</sub> Cl <sub>3</sub> O <sub>8</sub> Molecular weight- 397.64 It shall be white to off-white, odourless, crystalline powder, having a sweet taste.
		Physical examination for moulds, living and dead insects, insect fragments and rodent contamination(hair, excreta) visible to the naked eye
		Test for added Natural colours (Curcumin, Riboflavin,Chlorophyll, Beta carotene, Carotene(Natural extract),Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours(Plain), Caramel colours(Ammonium Sulphite process)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		<b>Quality Parameters</b>

Std. Nos.	Categories	Parameters
		Test for Methanol
		Residue on ignition
		Solubility
		<b>Metal Contaminants</b>
		Arsenic
		Heavy metal as Lead

**\*Products should be free from all adulterants .**

# **Volume-9**

## **Salt, Spices, Condiments and Related Products**

## TEST PARAMETERS FOR SALT, SPICES, CONDIMENTS AND RELATED PRODUCTS

In case the product contains any permitted additives as per Appendix A, the testing for the additive is also required to be carried out in addition to the prescribed parameters.

Test methods described in the manuals as amended and adopted by FSSAI from time to time shall only be used for analyzing the samples of Food Articles.

**Note:** Extraneous matter wherever prescribed, shall be classified as follows

**Organic extraneous matter:** chaff, stems and straw

**Inorganic extraneous matter:** Dust, dirt, stones, lumps of earth. This shall not exceed 2% by weight of total extraneous matter

Std. Nos.	Categories	Parameters
2.9	<b>SALT, SPICES, CONDIMENTS AND RELATED PRODUCTS</b>	
2.9.1	<b>CARAWAY (SIAHJIRA)</b>	
2.9.1.2	Siahjira Whole	<b>General Parameters</b>
		Means the mericarps of nearly mature fruit of <i>Carum carvi</i> L. The fruits are split into two mericarps after drying.
		Physical examination for moulds, living and dead insects, insect fragments and rodent contamination(hair, excreta) visible to the naked eye
		Screlotinia mushrooms
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Beta carotene, Carotene(Natural extract), Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours(Plain), Caramel colours(Ammonium Sulphite process)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		<b>Quality Parameters</b>
		Extraneous matter organic (Chaff, stems, straw) and inorganic (Dust, dirt, stones, lumps of earth). The inorganic extraneous matter shall not exceed 2 % by weight of the total extraneous matter.
		Moisture
		Total ash on dry basis
		Ash insoluble in dilute HCl on dry basis

Std. Nos.	Categories	Parameters
		Volatile oil content on dry basis
		Insect damaged matter
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Tin
		Zinc
		Cadmium
		Mercury
		Methyl Mercury calculated as the element
		<b>Contaminants</b>
		Aflatoxin
		<b>Pesticides</b>
		Inorganic bromide (determined and expressed as total bromide from all sources)
		<b>Microbiological Safety Parameters</b>
		<i>Salmonella</i>
<b>2.9.1.2</b>	<b>Caraway Black (Siahjira) Whole</b>	<b>General Parameters</b>
		Means the dried seeds of <i>Carum bulbocastanum</i> .
		Physical examination for moulds, living and dead insects, insect fragments and rodent contamination(hair, excreta) visible to the naked eye
		Test for added Natural colours (Curcumin, Riboflavin,Chlorophyll, Beta carotene, Carotene(Natural extract),Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours(Plain), Caramel colours(Ammonium Sulphite process)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		<b>Quality Parameters</b>
		Extraneous matter organic (Chaff, stems, straw ) and inorganic (Dust, dirt, stones, lumps of earth). The inorganic extraneous matter shall not exceed 2 % by weight of the total extraneous matter.
		Moisture
		Total ash on dry basis
		Ash insoluble in dilute HCl on dry basis

Std. Nos.	Categories	Parameters
		Volatile oil content on dry basis
		Insect damaged matter
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Tin
		Zinc
		Cadmium
		Mercury
		Methyl Mercury calculated as the element
		<b>Contaminants</b>
		Aflatoxin
		<b>Pesticides</b>
		Inorganic bromide (determined and expressed as total bromide from all sources)
		<b>Microbiological Safety Parameters</b>
		<i>Salmonella</i>
<b>2.9.1.3</b>	<b>Caraway (Siahjira) powder</b>	<b>General Parameters</b>
		Means the powder obtained by grinding the dried mature fruit of <i>Carum Carvi</i> L. without addition of any other matter.
		Off flavor, extraneous flavor, mustiness
		Physical examination for moulds, living and dead insects, insect fragments and rodent contamination (hair, excreta) visible to the naked eye
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Beta carotene, Carotene (Natural extract), Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours (Plain), Caramel colours (Ammonium Sulphite process))
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF)
		Test for foreign Starch (Microscopy)
		<b>Quality Parameters</b>
		Moisture
		Total ash on dry basis
		Ash insoluble in dilute HCl on dry basis
		Volatile oil content on dry basis (Black caraway)

Std. Nos.	Categories	Parameters
		Volatile oil content on dry basis (Blond caraway)
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Tin
		Zinc
		Cadmium
		Mercury
		Methyl Mercury calculated as the element
		<b>Pesticides</b>
		Inorganic bromide (determined and expressed as total bromide from all sources)
		<b>Contaminants</b>
		Aflatoxin
		<b>Microbiological Safety Parameters</b>
		<i>Salmonella</i>
<b>2.9.2</b>	<b>CARDAMOM (ELAICHI)</b>	
<b>2.9.2.1</b>	<b>Cardamom (Chhoti Elaichi) Whole</b>	<b>General Parameters</b>
		Means the dried capsules of nearly ripe fruits of <i>Elettaria cardamomum</i> L. Maton Var. <i>Minuscula</i> Burkill.
		Physical examination for moulds, living and dead insects, insect fragments and rodent contamination(hair, excreta) visible to the naked eye
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Beta carotene, Carotene(Natural extract), Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours(Plain), Caramel colours(Ammonium Sulphite process)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		Musty Odour and rancidity
		<b>Quality Parameters</b>
		Extraneous matter organic (Chaff, stems, straw) and inorganic (Dust, dirt, stones, lumps of earth). The inorganic extraneous matter shall not exceed 2 % by weight of the total extraneous matter.

Std. Nos.	Categories	Parameters
		Empty and malformed capsules by count
		Immature and shrivelled capsules
		Moisture
		Total ash on dry basis
		Volatile oil content on dry basis
		Insect damaged matter
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Tin
		Zinc
		Cadmium
		Mercury
		Methyl Mercury calculated as the element
		<b>Contaminants</b>
		Aflatoxin
		<b>Pesticides</b>
		Inorganic bromide (determined and expressed as total bromide from all sources)
		Endosulfan (residues are measured and reported as total of endosulfan A and B and endosulfan-sulphate)
		Monocrotophos
		Quinolphos
		Fosetyl-A1
		<b>Microbiological Safety Parameters</b>
		<i>Salmonella</i>
<b>2.9.2.2</b>	<b>Cardamom (Chhoti Elaichi) Seeds</b>	<b>General Parameters</b>
		Means the decorticated seeds separated from the dried capsules of near ripe fruits of <i>Elettaria Cardamomum</i> L. Maton var <i>miniscula</i> Burkill.
		Physical examination for moulds, living and dead insects, insect fragments and rodent contamination(hair, excreta) visible to the naked eye
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Beta carotene, Carotene(Natural extract), Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours(Plain),

Std. Nos.	Categories	Parameters
		Caramel colours(Ammonium Sulphite process)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		Musty Odour and rancidity
		<b>Quality Parameters</b>
		Extraneous matter organic (Chaff, stems, straw) and inorganic (Dust, dirt, stones, lumps of earth). The inorganic extraneous matter shall not exceed 2 % by weight of the total extraneous matter.
		Light Seeds (Light seeds mean seeds that are brown or red in color and broken immature and shriveled seeds.
		Moisture
		Total ash on dry basis
		Volatile oil content on dry basis
		Insect damaged matter
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Tin
		Zinc
		Cadmium
		Mercury
		Methyl Mercury calculated as the element
		<b>Contaminants</b>
		Aflatoxin
		<b>Pesticides</b>
		Inorganic bromide (determined and expressed as total bromide from all sources)
		Endosulfan (residues are measured and reported as total of endosulfan A and B and endosulfan-sulphate)
		Monocrotophos
		Quinolphos
		Fosetyl-A1
		<b>Microbiological Safety Parameters</b>
		<i>Salmonella</i>
2.9.2.3	Cardamom (Chhoti Elaichi)	<b>General Parameters</b>

Std. Nos.	Categories	Parameters
	<b>Powder</b>	
		Means the powder obtained by grinding dried seeds separated from the dried capsules of near ripe fruits of <i>Elettaria Cardamomum</i> L. Maton var <i>miniscula</i> Burkill. Without addition of any other substances
		Physical examination for moulds, living and dead insects, insect fragments and rodent contamination(hair, excreta) visible to the naked eye
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Beta carotene, Carotene(Natural extract), Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours(Plain), Caramel colours(Ammonium Sulphite process)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		Musty Odour and rancidity
		Test for foreign Starch (Microscopy)
		<b>Quality Parameters</b>
		Moisture
		Total ash on dry basis
		Ash insoluble in dilute HCl on dry basis
		Volatile oil content on dry basis
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Tin
		Zinc
		Cadmium
		Mercury
		Methyl Mercury calculated as the element
		<b>Contaminants</b>
		Aflatoxin
		<b>Pesticides</b>
		Inorganic bromide (determined and expressed as total bromide from all sources)
		<b>Microbiological Safety Parameters</b>
		<i>Salmonella</i>
<b>2.9.2.4</b>	<b>Cardamom (Badi Elaichi)</b>	<b>General Parameters</b>

Std. Nos.	Categories	Parameters
	<b>Whole</b>	
		Means the dried nearly ripe fruits (capsules) of Amomum subulatum Roxb.
		Physical examination for moulds, living and dead insects, insect fragments and rodent contamination(hair, excreta) visible to the naked eye
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Beta carotene, Carotene(Natural extract), Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours(Plain), Caramel colours(Ammonium Sulphite process)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		Musty Odour and rancidity
		<b>Quality Parameters</b>
		Extraneous matter organic (Chaff, stems, straw ) and inorganic (Dust, dirt, stones, lumps of earth). The inorganic extraneous matter shall not exceed 2 % by weight of the total extraneous matter.
		Empty and malformed capsules by count
		Immature and shrivelled capsules
		Moisture
		Ash insoluble in dilute HCl on dry basis
		Total ash on dry basis
		Volatile oil content on dry basis
		Insect damaged matter
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Tin
		Zinc
		Cadmium
		Mercury
		Methyl Mercury calculated as the element
		<b>Contaminants</b>
		Aflatoxin
		<b>Pesticides</b>
		Inorganic bromide (determined and expressed as total bromide from all sources)
		Endosulfan (residues are measured and reported as total of endosulfan A and B and

Std. Nos.	Categories	Parameters
		endosulfan-sulphate)
		Monocrotophos
		Quinolphos
		Fosetyl-A1
		<b>Microbiological Safety Parameters</b>
		<i>Salmonella</i>
<b>2.9.2.5</b>	<b>Cardamom (Badi Elaichi) Seeds</b>	<b>General Parameters</b>
		Means the seeds obtained by decortication of capsules of Amomum subulatum Roxb.
		Physical examination for moulds, living and dead insects, insect fragments and rodent contamination(hair, excreta) visible to the naked eye
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Beta carotene, Carotene(Natural extract), Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours(Plain), Caramel colours(Ammonium Sulphite process)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		Foreign odour, mustiness and rancidity
		<b>Quality Parameters</b>
		Extraneous matter organic (Chaff, stems, straw ) and inorganic (Dust, dirt, stones, lumps of earth). The inorganic extraneous matter shall not exceed 2 % by weight of the total extraneous matter.
		Light seeds/Brown/Red seeds
		Moisture
		Ash insoluble in dilute HCl on dry basis
		Total ash on dry basis
		Volatile oil content on dry basis
		Insect damaged matter
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Tin
		Zinc
		Cadmium

Std. Nos.	Categories	Parameters
		Mercury
		Methyl Mercury calculated as the element
		<b>Contaminants</b>
		Aflatoxin
		<b>Pesticides</b>
		Inorganic bromide (determined and expressed as total bromide from all sources)
		Endosulfan (residues are measured and reported as total of endosulfan A and B and endosulfan-sulphate)
		Monocrotophos
		Quinolphos
		Fosetyl-A1
		<b>Microbiological Safety Parameters</b>
		<i>Salmonella</i>
<b>2.9.2.6</b>	<b>Cardamom (BadiElaichi) Powder</b>	<b>General Parameters</b>
		Means the powder obtained by grinding seeds of <i>Amomum subulatum</i> Roxb, without addition of any other substances.
		Physical examination for moulds, living and dead insects, insect fragments and rodent contamination (hair, excreta) visible to the naked eye
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Beta carotene, Carotene (Natural extract), Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours (Plain), Caramel colours (Ammonium Sulphite process))
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF)
		Musty Odour and rancidity
		Test for foreign Starch (Microscopy)
		<b>Quality Parameters</b>
		Moisture
		Total ash on dry basis
		Ash insoluble in dilute HCl on dry basis
		Volatile oil content on dry basis
		<b>Metal Contaminants</b>
		Lead
		Copper

Std. Nos.	Categories	Parameters
		Arsenic
		Tin
		Zinc
		Cadmium
		Mercury
		Methyl Mercury calculated as the element
		<b>Contaminants</b>
		Aflatoxin
		<b>Pesticides</b>
		Inorganic bromide (determined and expressed as total bromide from all sources)
		Endosulfan (residues are measured and reported as total of endosulfan A and B and endosulfan-sulphate)
		Monocrotophos
		Quinolphos
		Fosetyl-A1
		<b>Microbiological Safety Parameters</b>
		<i>Salmonella</i>
<b>2.9.3</b>	<b>CHILLIES AND CAPSICUM (LAL MIRCHI)</b>	
<b>2.9.3.1</b>	<b>Chillies and Capsicum (Lal Mirchi) Whole</b>	<b>General Parameters</b>
		Means the dried ripe fruits or pods of the Capsicum annum L & Capsicum frutescens L.
		Physical examination for moulds, living and dead insects, insect fragments and rodent contamination(hair, excreta) visible to the naked eye
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Beta carotene, Carotene(Natural extract), Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours(Plain), Caramel colours(Ammonium Sulphite process)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )

Std. Nos.	Categories	Parameters
		Test for added color Sudan Dye
		Test for Mineral oil
		<b>Quality Parameters</b>
		Extraneous matter organic (Chaff, stems, straw ) and inorganic (Dust, dirt, stones, lumps of earth). The inorganic extraneous matter shall not exceed 2 % by weight of the total extraneous matter.
		Unripe and marked fruits
		Broken fruits, seed & fragments
		Moisture
		Total ash on dry basis
		Ash insoluble in dilute HCl on dry basis
		Insect damaged matter
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Zinc
		Cadmium
		<b>Contaminants</b>
		Aflatoxin
		<b>Pesticides</b>
		Inorganic bromide (determined and expressed as total bromide from all sources)
		Carbaryl
		Dicofol
		Dimethoate (residue to be determined as dimethoate and expressed as dimethoate)
		Endosulfan (residues are measured and reported as total of endosulfan A and B and endosulfan-sulphate)
		Monocrotophos
		Dithiocarbamates (the residue tolerance limit are determined and expressed as mg/CS <sub>2</sub> /kg and refer separately to the residues arising from any or each group of dithiocarbamates. Mancoszeb
		Quinolphos
		Triazophos
		<b>Microbiological Safety Parameters</b>
		<i>Salmonella</i>

Std. Nos.	Categories	Parameters
2.9.3.2	Chillies and Capsicum (Lal Mirchi) Powder	<b>General Parameters</b>
		Means the powder obtained by grinding clean ripe fruits or pods of Capsicum annum L & Capsicum frutescens L.
		Physical examination for moulds, living and dead insects, insect fragments and rodent contamination(hair, excreta) visible to the naked eye
		Test for added Natural colours (Curcumin, Riboflavin,Chlorophyll, Beta carotene, Carotene(Natural extract),Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours(Plain), Caramel colours(Ammonium Sulphite process)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		Test for added color Sudan Dye
		Test for Mineral oil
		Test for foreign Starch (Microscopy)
		<b>Quality Parameters</b>
		Moisture
		Total ash on dry basis
		Ash insoluble in dilute HCl on dry basis
		Crude fibre
		Non-volatile ether extract on dry basis
		Chilli powder may contain any edible vegetable oil
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Zinc
		Cadmium
		<b>Contaminants</b>
		Aflatoxin
		<b>Pesticides</b>
		Inorganic bromide (determined and expressed as total bromide from all sources)
		Carbaryl

Std. Nos.	Categories	Parameters
		Dicofol
		Dimethoate (residue to be determined as dimethoate and expressed as dimethoate)
		Endosulfan (residues are measured and reported as total of endosulfan A and B and endosulfan-sulphate)
		Monocrotophos
		Dithiocarbamates (the residue tolerance limit are determined and expressed as mg/CS <sub>2</sub> /kg and refer separately to the residues arising from any or each group of dithiocarbamates. Mancoszeb
		Quinolphos
		Triazophos
		<b>Microbiological Safety Parameters</b>
		<i>Salmonella</i>
<b>2.9.4</b>	<b>CINNAMON (DALCHINI)</b>	
<b>2.9.4.1</b>	<b>Cinnamon (Dalchini) Whole</b>	<b>General Parameters</b>
		Means the inner bark of tunks or branches of Cinnamomum Zeylanicum Blume.
		Foreign matter and mustiness
		Physical examination for moulds, living and dead insects, insect fragments and rodent contamination(hair, excreta) visible to the naked eye
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Beta carotene, Carotene(Natural extract), Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours(Plain), Caramel colours(Ammonium Sulphite process)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		<b>Quality Parameters</b>
		Extraneous matter organic (Chaff, stems, straw ) and inorganic (Dust, dirt, stones, lumps of earth). The inorganic extraneous matter shall not exceed 2 % by weight of the total extraneous matter.
		Moisture
		Total ash on dry basis
		Ash insoluble in dilute HCl on dry basis
		Volatile oil content on dry basis

Std. Nos.	Categories	Parameters
		Insect damaged matter
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Zinc
		Cadmium
		<b>Contaminants</b>
		Aflatoxin
		<b>Pesticides</b>
		Inorganic bromide (determined and expressed as total bromide from all sources)
		<b>Microbiological Safety Parameters</b>
		<i>Salmonella</i>
<b>2.9.4.2</b>	<b>Cinnamon (Dalchini) Powder</b>	<b>General Parameters</b>
		Means the powder obtained by grinding inner bark of twigs or branches of <i>Cinnamomum Zeylanicum</i> Blume.
		Off flavor and mustiness
		Physical examination for moulds, living and dead insects, insect fragments and rodent contamination (hair, excreta) visible to the naked eye
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Beta carotene, Carotene (Natural extract), Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours (Plain), Caramel colours (Ammonium Sulphite process))
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF)
		Test for foreign Starch (Microscopy)
		<b>Quality Parameters</b>
		Moisture
		Total ash on dry basis
		Ash insoluble in dilute HCl on dry basis
		Volatile oil content on dry basis
		<b>Metal Contaminants</b>

Std. Nos.	Categories	Parameters
		Lead
		Copper
		Arsenic
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Zinc
		Cadmium
		<b>Contaminants</b>
		Aflatoxin
		<b>Pesticides</b>
		Inorganic bromide (determined and expressed as total bromide from all sources)
		<b>Microbiological Safety Parameters</b>
		<i>Salmonella</i>
<b>2.9.5</b>	<b>CASSIA(TAJ )</b>	
<b>2.9.5.1</b>	<b>Cassia(Taj) Whole</b>	<b>General Parameters</b>
		Means the bark of the trees of Cinnamomum Cassia (Nees) ex Blume, Cinnamomum aromaticum (Nees) Syn, Cinnamomum burmanii (C.G. Nees) blume & Cinnamomum loureini Nees.
		Off flavor & mustiness
		Physical examination for moulds, living and dead insects, insect fragments and rodent contamination(hair, excreta), foreign vegetable matter, visible to the naked eye
		Test for added Natural colours (Curcumin, Riboflavin,Chlorophyll, Beta carotene, Carotene(Natural extract),Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours(Plain), Caramel colours(Ammonium Sulphite process)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		<b>Quality Parameters</b>
		Extraneous matter organic (Chaff, stems, straw ) and inorganic (Dust, dirt, stones, lumps of earth). The inorganic extraneous matter shall not exceed 2 % by weight of the total extraneous matter.
		Moisture
		Total ash on dry basis
		Ash insoluble in dilute HCl on dry basis

Std. Nos.	Categories	Parameters
		Volatile oil content on dry basis
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Zinc
		Cadmium
		<b>Contaminants</b>
		Aflatoxin
		<b>Pesticides</b>
		Inorganic bromide (determined and expressed as total bromide from all sources)
		<b>Microbiological Safety Parameters</b>
		<i>Salmonella</i>
<b>2.9.5.2</b>	<b>Cassia (Taj) Powder</b>	<b>General Parameters</b>
		Means the powder obtained by grinding bark of the trees of Cinnamomum Cassia (Nees) ex Blume, Cinnamomum aromaticum (Nees) Syn, Cinnamomum burmanii (C.G. Nees) blume & Cinnamomum loureini Nees without addition of any other matter.
		Off flavor & mustiness
		Physical examination for moulds, living and dead insects, insect fragments and rodent contamination(hair, excreta) visible to the naked eye
		Test for added Natural colours (Curcumin, Riboflavin,Chlorophyll, Beta carotene, Carotene(Natural extract),Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours(Plain), Caramel colours(Ammonium Sulphite process)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		Test for foreign Starch (Microscopy)
		<b>Quality Parameters</b>
		Moisture
		Total ash on dry basis
		Ash insoluble in dilute HCl on dry basis
		Volatile oil content on dry basis
		<b>Metal Contaminants</b>

Std. Nos.	Categories	Parameters
		Lead
		Copper
		Arsenic
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Zinc
		Cadmium
		<b>Contaminants</b>
		Aflatoxin
		<b>Pesticides</b>
		Inorganic bromide (determined and expressed as total bromide from all sources)
		<b>Microbiological Safety Parameters</b>
		<i>Salmonella</i>
<b>2.9.6</b>	<b>CLOVES (LAUNG )</b>	
<b>2.9.6.1</b>	<b>Cloves (Laung) Whole</b>	<b>General Parameters</b>
		Means the dried unopened flower buds of <i>Eugenia Caryophyllus</i> (C. Sprengel) Bullock and Harrison. It shall be of a reddish brown to blackish brown colour with a strong aromatic odour free from off flavor and mustiness.
		Physical examination for moulds, living and dead insects, insect fragments and rodent contamination(hair, excreta) visible to the naked eye
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Beta carotene, Carotene(Natural extract), Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours(Plain), Caramel colours(Ammonium Sulphite process)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		<b>Quality Parameters</b>
		Extraneous matter organic (Chaff, stems, straw ) and inorganic (Dust, dirt, stones, lumps of earth). The inorganic extraneous matter shall not exceed 2 % by weight of the total extraneous matter.
		Tendrils, Mother Cloves

Std. Nos.	Categories	Parameters
		Khokar Cloves (A clove which has undergone fermentation as a result of incomplete drying as evidenced by its pale brown color, whitish mealy appearance and wrinkled surface)
		Moisture
		Volatile oil content on dry basis
		Headless cloves ( A clove consisting of only receptacle and sepals which has lost the dome shaped head)
		Insect damaged cloves
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Zinc
		Cadmium
		<b>Contaminants</b>
		Aflatoxin
		<b>Pesticides</b>
		Inorganic bromide (determined and expressed as total bromide from all sources)
		<b>Microbiological Safety Parameters</b>
		<i>Salmonella</i>
<b>2.9.6.2</b>	<b>Cloves (Laung) Powder</b>	<b>General Parameters</b>
		Means the powder obtained by grinding the dried unopened flower buds of <i>Eugenia Caryophyllus</i> (C. Sprengel) Bullock and Harrison without any addition. It shall be brown colour with a violet tinge and shall have a strong spicy aromatic odour free from off flavor and mustiness.
		Physical examination for moulds, living and dead insects, insect fragments and rodent contamination (hair, excreta) visible to the naked eye
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Beta carotene, Carotene (Natural extract), Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours (Plain), Caramel colours (Ammonium Sulphite process))

Std. Nos.	Categories	Parameters
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		Test for foreign Starch (Microscopy)
		<b>Quality Parameters</b>
		Moisture
		Total ash on dry basis
		Ash insoluble in dilute HCl on dry basis
		Volatile oil content on dry basis
		Crude Fibre
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Zinc
		Cadmium
		<b>Contaminants</b>
		Aflatoxin
		<b>Pesticides</b>
		Inorganic bromide (determined and expressed as total bromide from all sources)
		<b>Microbiological Safety Parameters</b>
		<i>Salmonella</i>
<b>2.9.7</b>	<b>CORIANDER (DHANIA)</b>	
<b>2.9.7.1</b>	<b>Coriander (Dhania) Whole</b>	<b>General Parameters</b>
		Means the dried mature fruits (seeds) of <i>Coriandrum sativum</i> L.
		Physical examination for moulds, living and dead insects, insect fragments and rodent contamination (hair, excreta) visible to the naked eye
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Beta carotene, Carotene (Natural extract), Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours (Plain), Caramel colours (Ammonium Sulphite process))
		Test for synthetic colors

Std. Nos.	Categories	Parameters
		(Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		<b>Quality Parameters</b>
		Extraneous matter organic (Chaff, stems, straw ) and inorganic (Dust, dirt, stones, lumps of earth). The inorganic extraneous matter shall not exceed 2 % by weight of the total extraneous matter.
		Split fruits
		Damaged / Discoloured fruits
		Moisture
		Volatile oil content on dry basis
		Total ash on dry basis
		Ash insoluble in dilute HCl on dry basis
		Insect damaged matter
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Zinc
		Cadmium
		<b>Contaminants</b>
		Aflatoxin
		<b>Pesticides</b>
		Inorganic bromide (determined and expressed as total bromide from all sources)
		<b>Microbiological Safety Parameters</b>
		<i>Salmonella</i>
<b>2.9.7.2</b>	<b>Coriander (Dhania) Powder</b>	<b>General Parameters</b>
		Means the powder obtained by grinding clean, sound, dried mature fruits of Coriander sativum L.
		Mustiness
		Physical examination for moulds, living and dead insects, insect fragments and rodent contamination(hair, excreta) visible to the naked eye
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Beta carotene, Carotene(Natural extract), Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Canthaxanthin,

Std. Nos.	Categories	Parameters
		Caramel colours(Plain), Caramel colours(Ammonium Sulphite process)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		Test for foreign Starch (Microscopy)
		Test for preservatives Sorbic Acid, Sodium/ Potassium/ Calcium sorbate expressed as Sorbic acid, Benzoic acid, Sodium/ Potassium/ benzoate expressed as Benzoic acid and Sulphur di oxide
		Test for Bleach or Preservatives
		<b>Quality Parameters</b>
		Moisture
		Total ash on dry basis
		Ash insoluble in dilute HCl on dry basis
		Volatile oil content on dry basis
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Zinc
		Cadmium
		<b>Contaminants</b>
		Aflatoxin
		<b>Pesticides</b>
		Inorganic bromide (determined and expressed as total bromide from all sources)
		<b>Microbiological Safety Parameters</b>
		<i>Salmonella</i>
<b>2.9.8</b>	<b>CUMIN (ZEERA, KALONJI)</b>	
<b>2.9.8.1</b>	<b>Cumin (Safed Zeera) Whole</b>	<b>General Parameters</b>
		Means the dried mature fruits of Cuminum Cyminum L. it shall have characteristic aromatic flavor free from mustiness.
		Physical examination for moulds, living and dead insects, insect fragments and rodent contamination(hair, excreta) visible to the naked

Std. Nos.	Categories	Parameters
		eye
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Beta carotene, Carotene (Natural extract), Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours (Plain), Caramel colours (Ammonium Sulphite process))
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF)
		<b>Quality Parameters</b>
		Extraneous matter organic (Chaff, stems, straw) and inorganic (Dust, dirt, stones, lumps of earth). The inorganic extraneous matter shall not exceed 2% by weight of the total extraneous matter.
		Broken fruits (Damaged, shrivelled, discoloured and immature seed)
		Moisture
		Total ash on dry basis
		Ash insoluble in dilute HCl on dry basis
		Non volatile ether extract on dry basis
		Volatile oil content on dry basis
		Proportion of edible seeds other than cumin seeds
		Insect damaged matter
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Zinc
		Cadmium
		<b>Contaminants</b>
		Aflatoxin
		<b>Pesticides</b>
		Inorganic bromide (determined and expressed as total bromide from all sources)
		<b>Microbiological Safety Parameters</b>
		<i>Salmonella</i>
2.9.8.2	Cumin (Safed Zeera) Powder	General Parameters

Std. Nos.	Categories	Parameters
		Means the powder obtained by grinding the dried mature seeds of Cuminum Cyminum L. It shall have characteristic aromatic flavor free from mustiness.
		Physical examination for moulds, living and dead insects, insect fragments and rodent contamination(hair, excreta) visible to the naked eye
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Beta carotene, Carotene(Natural extract), Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours(Plain), Caramel colours(Ammonium Sulphite process)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		Test for foreign Starch (Microscopy)
		<b>Quality Parameters</b>
		Moisture
		Total ash on dry basis
		Ash insoluble in dilute HCl on dry basis
		Volatile oil content on dry basis
		Non volatile ether extract on dry basis by weight
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Zinc
		Cadmium
		<b>Contaminants</b>
		Aflatoxin
		<b>Pesticides</b>
		Inorganic bromide (determined and expressed as total bromide from all sources)
		<b>Microbiological Safety Parameters</b>
		<i>Salmonella</i>
2.9.8.3	Cumin Black (Kalonji) Whole	<b>General Parameters</b>
		Means the seeds of Nigella sativa L.

Std. Nos.	Categories	Parameters
		Physical examination for moulds, living and dead insects, insect fragments and rodent contamination(hair, excreta) visible to the naked eye
		Test for added Natural colours (Curcumin, Riboflavin,Chlorophyll, Beta carotene, Carotene(Natural extract),Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours(Plain), Caramel colours(Ammonium Sulphite process)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		<b>Quality Parameters</b>
		Extraneous matter organic (Chaff, stems, straw) and inorganic (Dust, dirt, stones, lumps of earth). The inorganic extraneous matter shall not exceed 2 % by weight of the total extraneous matter.
		Broken fruits (Damaged, shrivelled, discoloured and immature seed)
		Moisture
		Total ash on dry basis
		Ash insoluble in dilute HCl on dry basis
		Non volatile ether extract on dry basis
		Volatile oil content on dry basis
		Edible seeds other than cumin black
		Insect damaged matter
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Zinc
		Cadmium
		<b>Contaminants</b>
		Aflatoxin
		<b>Pesticides</b>
		Inorganic bromide (determined and expressed as total bromide from all sources)
		<b>Microbiological Safety Parameters</b>
		<i>Salmonella</i>
2.9.8.4	Cumin Black (Kalonji)	General Parameters

Std. Nos.	Categories	Parameters
	<b>Powder</b>	
		Means the powder obtained by grinding the dried seeds of <i>Nigella sativa</i> L.
		Physical examination for moulds, living and dead insects, insect fragments and rodent contamination(hair, excreta) visible to the naked eye
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Beta carotene, Carotene(Natural extract), Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours(Plain), Caramel colours(Ammonium Sulphite process)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		Test for foreign Starch (Microscopy)
		<b>Quality Parameters</b>
		Moisture
		Total ash on dry basis
		Ash insoluble in dilute HCl on dry basis
		Volatile oil content on dry basis
		Non volatile ether extract on dry basis (ml/100gm)
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Zinc
		Cadmium
		<b>Contaminants</b>
		Aflatoxin
		<b>Pesticides</b>
		Inorganic bromide (determined and expressed as total bromide from all sources)
		<b>Microbiological Safety Parameters</b>
		<i>Salmonella</i>
<b>2.9.9</b>	<b>FENNEL (SAUNF)</b>	
<b>2.9.9.1</b>	<b>Fennel (Saunf)</b>	<b>General Parameters</b>

Std. Nos.	Categories	Parameters
	<b>Whole</b>	
		Means the dried ripe fruit of <i>Foeniculum vulgare</i> P. Miller Var. <i>Vulgare</i> . It shall have characteristic flavor free from foreign odour, mustiness and rancidity.
		Physical examination for moulds, living and dead insects, insect fragments and rodent contamination (hair, excreta) visible to the naked eye
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Beta carotene, Carotene (Natural extract), Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours (Plain), Caramel colours (Ammonium Sulphite process))
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF)
		<b>Quality Parameters</b>
		Extraneous matter organic (Chaff, stems, straw) and inorganic (Dust, dirt, stones, lumps of earth). The inorganic extraneous matter shall not exceed 2% by weight of the total extraneous matter.
		Defective seeds
		Moisture
		Total ash on dry basis
		Ash insoluble in dilute HCl on dry basis
		Volatile oil content on dry basis
		Edible seeds other than fennel
		Insect damaged matter
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Zinc
		Cadmium
		<b>Contaminants</b>
		Aflatoxin
		<b>Pesticides</b>
		Inorganic bromide (determined and expressed as total bromide from all sources)
		<b>Microbiological Safety Parameters</b>
		<i>Salmonella</i>

Std. Nos.	Categories	Parameters
2.9.9.2	Fennel (Saunf) Powder	<b>General Parameters</b>
		Means the powder obtained by grinding ripe fruits (seeds) of <i>Foeniculum vulgare</i> P. Miller Var. <i>Vulgare</i> . It shall have characteristic aromatic flavor free from off flavor, mustiness and rancidity.
		Physical examination for moulds, living and dead insects, insect fragments and rodent contamination (hair, excreta) visible to the naked eye
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Beta carotene, Carotene (Natural extract), Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours (Plain), Caramel colours (Ammonium Sulphite process))
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF)
		Test for foreign Starch (Microscopy)
		Test for rancidity
		<b>Quality Parameters</b>
		Moisture
		Total ash on dry basis
		Ash insoluble in dilute HCl on dry basis
		Volatile oil content on dry basis
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Zinc
		Cadmium
		<b>Contaminants</b>
		Aflatoxin
		<b>Pesticides</b>
		Inorganic bromide (determined and expressed as total bromide from all sources)
		<b>Microbiological Safety Parameters</b>
		<i>Salmonella</i>

Std. Nos.	Categories	Parameters
2.9.10	FENUGREEK (METHI)	
2.9.10.1	Fenugreek (Methi) Whole	<b>General Parameters</b>
		Means the dried mature seeds of Trigonella foenum graecum L. The seeds shall be free from any off flavor, mustiness and rancidity.
		Physical examination for moulds, living and dead insects, insect fragments and rodent contamination(hair, excreta) visible to the naked eye
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Beta carotene, Carotene(Natural extract), Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours(Plain), Caramel colours(Ammonium Sulphite process)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		<b>Quality Parameters</b>
		Extraneous matter organic (Chaff, stems, straw ) and inorganic (Dust, dirt, stones, lumps of earth). The inorganic extraneous matter shall not exceed 2 % by weight of the total extraneous matter.
		Moisture
		Total ash on dry basis
		Ash insoluble in dilute HCl on dry basis
		Cold water soluble extract on dry basis
		Edible seeds other than fenugreek
		Insect damaged matter
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Zinc
		Cadmium
		<b>Contaminants</b>
		Aflatoxin
		<b>Pesticides</b>
		Inorganic bromide (determined and expressed as total bromide from all sources)

Std. Nos.	Categories	Parameters
		<b>Microbiological Safety Parameters</b>
		<i>Salmonella</i>
<b>2.9.10.2</b>	<b>Fenugreek (Methi) Powder</b>	<b>General Parameters</b>
		Means the powder obtained by grinding the dried mature seeds of <i>Trigonella foenum graecum</i> L.
		Physical examination for moulds, living and dead insects, insect fragments and rodent contamination(hair, excreta) visible to the naked eye
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Beta carotene, Carotene(Natural extract), Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours(Plain), Caramel colours(Ammonium Sulphite process)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		Test for foreign Starch (Microscopy)
		<b>Quality Parameters</b>
		Moisture
		Total ash on dry basis
		Ash insoluble in dilute HCl on dry basis
		Cold water soluble extract on dry basis
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Zinc
		Cadmium
		<b>Contaminants</b>
		Aflatoxin
		<b>Pesticides</b>
		Inorganic bromide (determined and expressed as total bromide from all sources)
		<b>Microbiological Safety Parameters</b>
		<i>Salmonella</i>

Std. Nos.	Categories	Parameters
2.9.11	GINGER (SONTH, ADRAK)	
2.9.11.1	Ginger (Sonth, Adrak) Whole	<b>General Parameters</b>
		Means the dried rhizome of Zingiber officinale Roscoe in pieces irregular in shape and size, pale brown in colour with peel not entirely removed and washed and dried in sun. It may be bleached with lime. It shall have characteristic taste and flavor free from musty odour or rancid or bitter taste.
		Physical examination for moulds, living and dead insects, insect fragments and rodent contamination(hair, excreta) visible to the naked eye
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Beta carotene, Carotene(Natural extract), Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours(Plain), Caramel colours(Ammonium Sulphite process)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		<b>Quality Parameters</b>
		Extraneous matter organic (Chaff, stems, straw ) and inorganic (Dust, dirt, stones, lumps of earth). The inorganic extraneous matter shall not exceed 2 % by weight of the total extraneous matter.
		Moisture
		Total ash on dry basis
		(a) Unbleached
		(b) Bleached
		Calcium as Calcium oxide on dry basis
		(a) Unbleached
		(b) Bleached
		(v) Volatile oil content on dry basis
		(vi) Insect damaged matter
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Mercury
		Methyl Mercury calculated as the element

Std. Nos.	Categories	Parameters
		Tin
		Zinc
		Cadmium
		<b>Contaminants</b>
		Aflatoxin
		<b>Pesticides</b>
		Inorganic bromide (determined and expressed as total bromide from all sources)
		<b>Microbiological Safety Parameters</b>
		<i>Salmonella</i>
<b>2.9.11.2</b>	<b>Ginger (Sonth, Adrak) Powder</b>	<b>General Parameters</b>
		Means the powder obtained by grinding the rhizome of Zingiber officinale Roscoe. It shall have characteristic taste & flavor free from musty odour or rancid or bitter taste.
		Physical examination for moulds, living and dead insects, insect fragments and rodent contamination(hair, excreta) visible to the naked eye
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Beta carotene, Carotene(Natural extract), Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours(Plain), Caramel colours(Ammonium Sulphite process)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		Test for foreign Starch (Microscopy)
		<b>Quality Parameters</b>
		Moisture
		Total ash on dry basis
		(a) Unbleached
		(b) Bleached
		Calcium as Calcium oxide on dry basis
		(a) Unbleached
		(b) Bleached
		Volatile oil content on dry basis
		Water soluble ash on dry basis
		Acid insoluble ash on dry basis
		Alcohol (90% v/w) soluble extract on dry basis

Std. Nos.	Categories	Parameters
		Cold water soluble extract on dry basis
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Zinc
		Cadmium
		<b>Contaminants</b>
		Aflatoxin
		<b>Pesticides</b>
		Inorganic bromide (determined and expressed as total bromide from all sources)
		<b>Microbiological Safety Parameters</b>
		<i>Salmonella</i>
<b>2.9.12</b>	<b>MACE (JAIPATRI)</b>	
<b>2.9.12.1</b>	<b>Mace (Jaipatri) Whole</b>	<b>General Parameters</b>
		Means the dried coat or aril of the sees of <i>Myristica fragrans</i> Houttuyn. It shall not contain the aril of anyother variety of <i>Myristica nalarbarica</i> or <i>Fatua</i> (Bombay mace) and <i>Myristica argenea</i> (Wild mace). It shall have characteristic aromatic flavor free from frogein odour and mustiness.
		Physical examination for moulds, living and dead insects, insect fragments and rodent contamination(hair, excreta) visible to the naked eye
		Test for added Natural colours (Curcumin, Riboflavin,Chlorophyll, Beta carotene, Carotene(Natural extract),Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours(Plain), Caramel colours(Ammonium Sulphite process)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		<b>Quality Parameters</b>
		Extraneous matter organic (Chaff, stems, straw ) and inorganic (Dust, dirt, stones, lumps of earth). The inorganic extraneous matter shall not exceed 2 % by weight of the total extraneous matter.

Std. Nos.	Categories	Parameters
		Moisture
		Total ash on dry basis
		Ash insoluble in dilute HCl on dry basis
		Volatile oil content on dry basis
		Insect damaged matter
		Nutmeg in Mace
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Zinc
		Cadmium
		<b>Naturally occurring Toxic Substances</b>
		Saffrole
		<b>Contaminants</b>
		Aflatoxin
		<b>Pesticides</b>
		Inorganic bromide (determined and expressed as total bromide from all sources)
		<b>Microbiological Safety Parameters</b>
		<i>Salmonella</i>
<b>2.9.12.2</b>	<b>Mace (Jaipatri) Powder</b>	<b>General Parameters</b>
		Means the powder obtained by grinding dried coatoraril of the seed of <i>Myristica fragrans</i> Houlttuyn. It shall have characteristic aromatic flavour free from foreign odour and mustiness.
		Physical examination for moulds, living and dead insects, insect fragments and rodent contamination (hair, excreta) visible to the naked eye
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Beta carotene, Carotene (Natural extract), Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours (Plain), Caramel colours (Ammonium Sulphite process))
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF,

Std. Nos.	Categories	Parameters
		Indigo carmine, Brilliant blue FCF, Fast green FCF )
		Test for foreign Starch (Microscopy)
		<b>Quality Parameters</b>
		Moisture
		Total ash on dry basis
		Ash insoluble in dilute HCl on dry basis
		Volatile oil content on dry basis
		Crude fibre
		Non-volatile ether extract
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Zinc
		Cadmium
		<b>Naturally occurring Toxic Substances</b>
		Saffrole
		<b>Contaminants</b>
		Aflatoxin
		<b>Pesticides</b>
		Inorganic bromide (determined and expressed as total bromide from all sources)
		<b>Microbiological Safety Parameters</b>
		<i>Salmonella</i>
<b>2.9.13</b>	<b>MUSTARD (RAI, SARSON)</b>	
<b>2.9.13.1</b>	<b>Mustard (Rai, Sarson) Whole</b>	<b>General Parameters</b>
		Means the dried , clean mature seeds of one or more of the plants of Brassica alba. (L). Boiss (Safed rai), Brassica campestris L.var, dichotoma(Kali Sarson), Brassica Campestris, L. Var, yellow Sarson, Syn, Brassica campestris L. Var. toria, Brassicajuncea , (L). Cosset CZern (Rai, Lotni) and Brassica nigra (L); Koch (Benarasi rai). Without the addition of any colouring mater
		Physical examination for moulds, living and dead insects, insect

Std. Nos.	Categories	Parameters
		fragments and rodent contamination(hair, excreta) visible to the naked eye
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Beta carotene, Carotene(Natural extract), Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours(Plain), Caramel colours(Ammonium Sulphite process)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		Argemone seeds
		<b>Quality Parameters</b>
		Extraneous matter organic (Chaff, stems, straw) and inorganic (Dust, dirt, stones, lumps of earth). The inorganic extraneous matter shall not exceed 2 % by weight of the total extraneous matter.
		Damaged or Shrivelled seeds
		Moisture
		Total ash on dry basis
		Ash insoluble in dilute HCl on dry basis
		Non volatile ether extract on dry basis
		Volatile oil content on dry basis
		Insect damaged matter
		Allyl iso thiocyanate (m/m) on dry basis
		(a) <i>B. nigra</i>
		(b) <i>B. juncea</i>
		p-hydroxybenzyl iso-thiocyanate (m/m) on dry basis in <i>Sinapis alba</i>
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Zinc
		Cadmium
		<b>Contaminants</b>
		Aflatoxin
		<b>Pesticides</b>
		Inorganic bromide (determined and expressed as total bromide from all sources)
		Iprodione
		Phenthoate

Std. Nos.	Categories	Parameters
		Phorate
		Trichlorfon
		Carbofuran (sum of carbofuran and 3-hydroxy carbofuran expressed as carbofuran)
		Cypermethrin (sum of isomers) (fat soluble residue)
		<b>Microbiological Safety Parameters</b>
		<i>Salmonella</i>
<b>2.9.13.2</b>	<b>Mustard (Rai, Sarson) Powder</b>	<b>General Parameters</b>
		Physical examination for moulds, living and dead insects, insect fragments and rodent contamination(hair, excreta) visible to the naked eye
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Beta carotene, Carotene(Natural extract), Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours(Plain), Caramel colours(Ammonium Sulphite process)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		Test for rancidity
		<b>Quality Parameters</b>
		Moisture
		Total ash on dry basis
		Ash insoluble in dilute HCl on dry basis
		Non volatile ether extract on dry basis
		Volatile oil content on dry basis
		Crude fibre
		Starch
		Test for argemone oil
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Zinc
		Cadmium
		<b>Contaminants</b>

Std. Nos.	Categories	Parameters
		Aflatoxin
		<b>Pesticides</b>
		Inorganic bromide (determined and expressed as total bromide from all sources)
		Iprodione
		Phenthoate
		Phorate
		Trichlorfon
		Carbofuran (sum of carbofuran and 3-hydroxy carbofuran expressed as carbofuran)
		Cypermethrin (sum of isomers) (fat soluble residue)
		<b>Microbiological Safety Parameters</b>
		<i>Salmonella</i>
<b>2.9.14</b>	<b>NUTMEG (JAIPHAL)</b>	
<b>2.9.14.1</b>	<b>Nutmeg (Jaiphal) Whole</b>	<b>General Parameters</b>
		Means the driedseed (kernel) of <i>Myristica fragrans</i> Houlttuyn. It shall be of greyish brown colour but it may be white if it has been subjected to liming. It shall have characteristic aromatic flavor free from foreign odour and mustiness.
		Physical examination for moulds, living and dead insects, insect fragments and rodent contamination(hair, excreta) visible to the naked eye
		Test for added Natural colours (Curcumin, Riboflavin,Chlorophyll, Beta carotene, Carotene(Natural extract),Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours(Plain), Caramel colours(Ammonium Sulphite process)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		<b>Quality Parameters</b>
		Extraneous matter organic (Chaff, stems, straw ) and inorganic (Dust, dirt, stones, lumps of earth). The inorganic extraneous matter shall not exceed 2 % by weight of the total extraneous matter.
		Mace in Nutmeg
		Moisture
		Total ash on dry basis
		Water insoluble ash on dry basis

Std. Nos.	Categories	Parameters
		Ash insoluble in dilute HCl on dry basis
		Volatile oil content on dry basis
		Calcium content expressed as Calcium Oxide on dry basis
		Insect damaged matter
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Methyl Mercury calculated as the element
		Tin
		Zinc
		Cadmium
		<b>Naturally occurring Toxic Substances</b>
		Saffrole
		<b>Contaminants</b>
		Aflatoxin
		<b>Pesticides</b>
		Inorganic bromide (determined and expressed as total bromide from all sources)
		<b>Microbiological Safety Parameters</b>
		<i>Salmonella</i>
<b>2.9.14.2</b>	<b>Nutmeg (Jaiphal) Powder</b>	<b>General Parameters</b>
		Means the powder obtained by grinding the dried seeds (kernel) or <i>Myristica fragrans</i> Houttuyn.
		Physical examination for moulds, living and dead insects, insect fragments and rodent contamination(hair, excreta) visible to the naked eye
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Beta carotene, Carotene(Natural extract), Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours(Plain), Caramel colours(Ammonium Sulphite process)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		Test for foreign Starch (Microscopy)
		<b>Quality Parameters</b>
		Moisture

Std. Nos.	Categories	Parameters
		Total ash on dry basis
		Water insoluble ash on dry basis
		Ash insoluble in dilute HCl on dry basis
		Volatile oil content on dry basis
		Crude Fibre
		Non volatile ether extract on dry basis
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Zinc
		Cadmium
		<b>Naturally occurring Toxic Substances</b>
		Saffrole
		<b>Contaminants</b>
		Aflatoxin
		<b>Pesticides</b>
		Inorganic bromide (determined and expressed as total bromide from all sources)
		<b>Microbiological Safety Parameters</b>
		<i>Salmonella</i>
2.9.15	PEPPER BLACK (KALIMIRCH)	
2.9.15.1	Pepper Black (Kalimirch) Whole	<b>General Parameters</b>
		Means the dried berries of Piper nigrum L. The berries are generally picked before complete ripening and may be brown, grey or black in colour.
		Physical examination for moulds, living and dead insects, insect fragments and rodent contamination (hair, excreta) visible to the naked eye

Std. Nos.	Categories	Parameters
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Beta carotene, Carotene (Natural extract), Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours (Plain), Caramel colours (Ammonium Sulphite process))
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF)
		Test for Mineral oil
		<b>Quality Parameters</b>
		Extraneous matter organic (Chaff, stems, straw) and inorganic (Dust, dirt, stones, lumps of earth). The inorganic extraneous matter shall not exceed 2 % by weight of the total extraneous matter.
		Light Berries
		Pinheads or broken berries
		Bulk Density (gm/litre)
		Moisture
		Total ash on dry basis
		Non volatile ether extract on dry basis
		Volatile oil content on dry basis
		Piperine Content on dry basis
		Insect damaged matter (% by weight)
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Zinc
		Cadmium
		<b>Contaminants</b>
		Aflatoxin
		<b>Pesticides</b>
		Inorganic bromide (determined and expressed as total bromide from all sources)
		<b>Microbiological Safety Parameters</b>
		<i>Salmonella</i>
<b>2.9.15.2</b>	<b>Pepper Black (Kalimirch)</b>	<b>General Parameters</b>

Std. Nos.	Categories	Parameters
	<b>Powder</b>	
		Means the product obtained by grinding dried berries of Piper nigrum L without addition of any other matter. It shall have characteristic aromatic flavor free from foreign odour, mustiness or rancidity.
		Physical examination for moulds, living and dead insects, insect fragments and rodent contamination(hair, excreta) visible to the naked eye
		Test for added Natural colours (Curcumin, Riboflavin,Chlorophyll, Beta carotene, Carotene(Natural extract),Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours(Plain), Caramel colours(Ammonium Sulphite process)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		Test for foreign Starch (Microscopy)
		Test for Mineral oil
		<b>Quality Parameters</b>
		Moisture
		Total ash on dry basis
		Ash insoluble in dilute HCl on dry basis
		Crude Fibre on dry basis
		Non volatile ether extract on dry basis
		Volatile oil content on dry basis
		Piperine Content on dry basis
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Zinc
		Cadmium
		<b>Contaminants</b>
		Aflatoxin
		<b>Pesticides</b>
		Inorganic bromide (determined and expressed as total bromide from all sources)
		<b>Microbiological Safety Parameters</b>
		<i>Salmonella</i>
<b>2.9.15.3</b>	<b>Light Black</b>	<b>General Parameters</b>

Std. Nos.	Categories	Parameters
	<b>Pepper Whole</b>	
		Means the dried berries of Piper nigrum L. dark brown to dark black in colour.
		Physical examination for moulds, living and dead insects, insect fragments and rodent contamination(hair, excreta) visible to the naked eye
		Test for added Natural colours (Curcumin, Riboflavin,Chlorophyll, Beta carotene, Carotene(Natural extract),Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours(Plain), Caramel colours(Ammonium Sulphite process)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		<b>Quality Parameters</b>
		Extraneous matter organic (Chaff, stems, straw ) and inorganic (Dust, dirt, stones, lumps of earth). The inorganic extraneous matter shall not exceed 2 % by weight of the total extraneous matter.
		Other foreign edible seeds
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Zinc
		Cadmium
		<b>Contaminants</b>
		Aflatoxin
		<b>Pesticides</b>
		Inorganic bromide (determined and expressed as total bromide from all sources)
		<b>Microbiological Safety Parameters</b>
		<i>Salmonella</i>
<b>2.9.15.4</b>	<b>Pinheads</b>	<b>General Parameters</b>
		Shall be wholly derived from the spikes of Piper nigrum L.
		Physical examination for moulds, living and dead insects, insect fragments and rodent contamination(hair, excreta) visible to the naked eye
		Test for added Natural colours (Curcumin, Riboflavin,Chlorophyll, Beta

Std. Nos.	Categories	Parameters
		carotene, Carotene(Natural extract),Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours(Plain), Caramel colours(Ammonium Sulphite process)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		<b>Quality Parameters</b>
		Extraneous matter organic (Chaff, stems, straw) and inorganic (Dust, dirt, stones, lumps of earth). The inorganic extraneous matter shall not exceed 2 % by weight of the total extraneous matter.
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Zinc
		Cadmium
		<b>Contaminants</b>
		Aflatoxin
		<b>Pesticides</b>
		Inorganic bromide (determined and expressed as total bromide from all sources)
		<b>Microbiological Safety Parameters</b>
		<i>Salmonella</i>
<b>2.9.16</b>	<b>POPPY (KHAS KHAS)</b>	<b>General Parameters</b>
		Means the dried mature seeds of Papaver somniferum L. It may be white or greyish in colour
		Physical examination for moulds, living and dead insects, insect fragments and rodent contamination(hair, excreta) visible to the naked eye
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Beta carotene, Carotene(Natural extract), Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours(Plain), Caramel colours(Ammonium Sulphite process)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )

Std. Nos.	Categories	Parameters
		Test for Mustiness & Rancidity
		<b>Quality Parameters</b>
		Extraneous matter organic (Chaff, stems, straw) and inorganic (Dust, dirt, stones, lumps of earth). The inorganic extraneous matter shall not exceed 2 % by weight of the total extraneous matter.
		Moisture
		Non volatile ether extract on dry basis
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Zinc
		Cadmium
		<b>Contaminants</b>
		Aflatoxin
		<b>Pesticides</b>
		Inorganic bromide (determined and expressed as total bromide from all sources)
		<b>Microbiological Safety Parameters</b>
		<i>Salmonella</i>
<b>2.9.17</b>	<b>SAFFRON (KESAR)</b>	
<b>2.9.17.1</b>	<b>Saffron (Kesar)</b>	<b>General Parameters</b>
		Means the dried stigmas or tops of styles of <i>Crocus Sativus</i> Linnaeus. It shall be dark red in colour with a slightly bitter & pungent flavor.
		Physical examination for moulds, living and dead insects, insect fragments and rodent contamination(hair, excreta) visible to the naked eye
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Beta carotene, Carotene(Natural extract), Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours(Plain), Caramel colours(Ammonium Sulphite process)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		Foreign odour and mustiness

Std. Nos.	Categories	Parameters
		<b>Quality Parameters</b>
		Extraneous matter organic (Chaff, stems, straw) and inorganic (Dust, dirt, stones, lumps of earth). The inorganic extraneous matter shall not exceed 2 % by weight of the total extraneous matter.
		Floral waste (Floral waste means yellow filaments that are unattached and separated pollens, stamens, parts of ovaries and other parts of the flower)
		Moisture and volatile matter at 103 ± 1 °C
		Total ash on dry basis
		Ash insoluble in dilute HCl on dry basis
		Solubility in cold water on dry weight Basis
		Bitterness expressed as direct reading of absorbance of picrocrocine at about 257 nm on dry basis
		Safranal expressed as direct reading of absorbance of 330 nm on dry basis
		Colouring strength expressed as direct reading of absorbance of 440 nm on dry basis
		Total Nitrogen on dry basis
		Crude Fibre on dry basis
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Zinc
		Cadmium
		<b>Contaminants</b>
		Aflatoxin
		<b>Pesticides</b>
		Inorganic bromide (determined and expressed as total bromide from all sources)
		<b>Microbiological Safety Parameters</b>
		<i>Salmonella</i>
2.9.17.2	<b>SAFFRON (KESAR POWDER)</b>	<b>General Parameters</b>
		Means the powder obtained by crushing dried stigmas of Crocus

Std. Nos.	Categories	Parameters
		Sativus Linnaeus. It shall be dark red in color with a slightly bitter and pungent flavor.
		Physical examination for moulds, living and dead insects, insect fragments and rodent contamination(hair, excreta) visible to the naked eye
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Beta carotene, Carotene(Natural extract), Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours(Plain), Caramel colours(Ammonium Sulphite process)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		Test for foreign Starch (Microscopy)
		<b>Foreign</b>
		<b>Quality Parameters</b>
		Moisture and volatile matter
		Total ash on dry basis
		Acid insoluble ash on dry basis
		Solubility in cold water on dry weight basis
		Bitterness expressed as direct reading of absorbance of picrocrocine at about 257 nm on Dry basis
		Safranal expressed as direct reading of absorbance of 330 nm on dry basis
		Colouring strength expressed as direct reading of absorbance of 440 nm on dry basis
		Total Nitrogen on dry basis
		Crude Fibre on dry basis
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Zinc
		Cadmium
		<b>Contaminants</b>
		Aflatoxin
		<b>Pesticides</b>
		Inorganic bromide (determined and expressed as total bromide from all sources)

Std. Nos.	Categories	Parameters
		<b>Microbiological Safety Parameters</b>
		<i>Salmonella</i>
<b>2.9.18</b>	<b>TURMERIC (HALDI)</b>	
<b>2.9.18.1</b>	<b>Turmeric (Haldi) Whole</b>	<b>General Parameters</b>
		Means the primary or secondary rhizomes commercially called bulbs or fingers of <i>Curcuma Longa</i> L. The rhizomes shall be cured by soaking them in boiling water and then drying them to avoid regeneration. The rhizome be in natural state or machine polished.
		Physical examination for moulds, living and dead insects, insect fragments and rodent contamination(hair, excreta) visible to the naked eye
		Test for added Natural colours (Curcumin, Riboflavin,Chlorophyll, Beta carotene, Carotene(Natural extract),Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours(Plain), Caramel colours(Ammonium Sulphite process)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		Test for Mustiness or foreign flavour
		<b>Quality Parameters</b>
		Extraneous matter organic (Chaff, stems, straw ) and inorganic (Dust, dirt, stones, lumps of earth). The inorganic extraneous matter shall not exceed 2 % by weight of the total extraneous matter.
		Defective Rhizomes
		Moisture
		Insect damaged matter
		Test for lead chromate
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Zinc
		Cadmium
		<b>Contaminants</b>

Std. Nos.	Categories	Parameters
		Aflatoxin
		<b>Pesticides</b>
		Inorganic bromide (determined and expressed as total bromide from all sources)
		<b>Microbiological Safety Parameters</b>
		<i>Salmonella</i>
<b>2.9.18.2</b>	<b>Turmeric (Haldi) Powder</b>	<b>General Parameters</b>
		Means the powder obtained by grinding dried rhizomes or bulbous roots of <i>Curcuma Longa</i> L.
		Physical examination for moulds, living and dead insects, insect fragments and rodent contamination(hair, excreta) visible to the naked eye
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Beta carotene, Carotene(Natural extract), Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours(Plain), Caramel colours(Ammonium Sulphite process)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		Test for mustiness or other foreign odour
		Test for foreign Starch (Microscopy)
		<b>Quality Parameters</b>
		Moisture
		Total ash on dry basis
		Ash insoluble in dil. HCl on dry basis
		Colouring power expressed as curcuminoid content on dry basis
		Total Starch
		Test for lead chromate
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Zinc
		Cadmium
		<b>Contaminants</b>

Std. Nos.	Categories	Parameters
		Aflatoxin
		<b>Pesticides</b>
		Inorganic bromide (determined and expressed as total bromide from all sources)
		<b>Microbiological Safety Parameters</b>
		<i>Salmonella</i>
<b>2.9.19</b>	<b>CURRY POWDER</b>	<b>General Parameters</b>
		Means the powder obtained by grinding clean, dried and sound spices belonging to the group of aromatic herbs and seeds such as black pepper, cinnamon, cloves, coriander, cardamom, chillies, cumin seeds, fenugreek, garlic, ginger, mustard, poppy seeds, saffron and aniseeds. The material may contain added starch and edible common salt.
		The portion of spices used in the preparation of curry powder shall be not less than 85.0 percent by weight.
		Physical examination for moulds, living and dead insects, insect fragments and rodent contamination(hair, excreta) visible to the naked eye
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Beta carotene, Carotene(Natural extract), Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours(Plain), Caramel colours(Ammonium Sulphite process)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		Test for preservatives (Benzoic acid and its salts, Sorbic Acid and its salts, Sulphur di oxide, potassium metabisulphite)
		Test for anti oxidant (BHA and TBHQ)
		Test for Preservatives Sorbic Acid, Sodium/ Potassium/ Calcium sorbate expressed as Sorbic acid, Benzoic acid, Sodium/ Potassium/ benzoate expressed as Benzoic acid
		<b>Quality Parameters</b>
		Moisture
		Volatile oil
		Non-volatile ether extract
		Edible common salt
		Ash insoluble in dilute HCl
		Crude Fibre
		<b>Metal Contaminants</b>
		Lead
		Copper

Std. Nos.	Categories	Parameters
		Arsenic
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Zinc
		Cadmium
		<b>Contaminants</b>
		Aflatoxin
		<b>Pesticides</b>
		Inorganic bromide (determined and expressed as total bromide from all sources)
		<b>Microbiology Parameters</b>
		Samonella
<b>2.9.20</b>	<b>MIXED MASALA</b>	<b>General Parameters</b>
		Means a mixture of a clean, dried and sound aromatic herbs and spices. It may also contain dried vegetables and/or fruits, oilseeds, garlic, ginger, poppy seeds and curry leaves.
		Physical examination for moulds, living and dead insects, insect fragments and rodent contamination(hair, excreta) visible to the naked eye
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Beta carotene, Carotene(Natural extract), Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours(Plain), Caramel colours(Ammonium Sulphite process)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		<b>Quality Parameters</b>
		Extraneous matter organic (Chaff, stems, straw ) and inorganic (Dust, dirt, stones, lumps of earth). The organic and inorganic extraneous matter shall not exceed 3 % and 2 % by weight of the total extraneous matter.
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Mercury
		Methyl Mercury calculated as the element
		Tin

Std. Nos.	Categories	Parameters
		Zinc
		Cadmium
		<b>Contaminants</b>
		Aflatoxin
		<b>Pesticides</b>
		Inorganic bromide (determined and expressed as total bromide from all sources)
		<b>Microbiology Parameters</b>
		<i>Salmonella</i>
<b>2.9.21</b>	<b>ANISEED (SAUNF)</b>	<b>General Parameters</b>
		Means the dried and mature fruit of <i>Pimpinella anisum</i> L.
		Physical examination for moulds, living and dead insects, insect fragments and rodent contamination(hair, excreta) visible to the naked eye
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Beta carotene, Carotene(Natural extract), Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours(Plain), Caramel colours(Ammonium Sulphite process)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		Test for Argemone seeds
		Test for mustiness
		<b>Quality Parameters</b>
		Extraneous matter organic (Chaff, stems, straw ) and inorganic (Dust, dirt, stones, lumps of earth). The inorganic extraneous matter shall not exceed 2 % by weight of the total extraneous matter.
		Shrivelled, immature, damaged / insect damaged /broken fruit
		Moisture
		Total ash on dry basis
		Ash insoluble in dilute HCl on dry basis
		Volatile oil content on dry basis
		Insect damaged matter
		Foreign edible seeds
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Mercury

Std. Nos.	Categories	Parameters
		Methyl Mercury calculated as the element
		Tin
		Zinc
		Cadmium
		<b>Contaminants</b>
		Aflatoxin
		<b>Pesticides</b>
		Inorganic bromide (determined and expressed as total bromide from all sources)
		<b>Microbiological Safety Parameters</b>
		<i>Salmonella</i>
2.9.22	<b>AJWAIN (BISHOPS SEEDS)</b>	<b>General Parameters</b>
		Means the dried ripe fruits (seeds) of <i>Trachyspermum ammi</i> . L Sprague.
		Physical examination for moulds, living and dead insects, insect fragments and rodent contamination(hair, excreta) visible to the naked eye
		Test for added Natural colours (Curcumin, Riboflavin,Chlorophyll, Beta carotene, Carotene(Natural extract),Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours(Plain), Caramel colours(Ammonium Sulphite process)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		Test for Argemone seeds
		Test for mustiness
		<b>Quality Parameters</b>
		Extraneous matter organic (Chaff, stems, straw ) and inorganic (Dust, dirt, stones, lumps of earth). The inorganic extraneous matter shall not exceed 2 % by weight of the total extraneous matter.
		Moisture
		Shrivelled / Damaged / insect damaged / broken fruit
		Volatile oil content on dry basis
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Mercury
		Methyl Mercury calculated as the element

Std. Nos.	Categories	Parameters
		Tin
		Zinc
		Cadmium
		<b>Contaminants</b>
		Aflatoxin
		<b>Pesticides</b>
		Inorganic bromide (determined and expressed as total bromide from all sources)
		<b>Microbiological Safety Parameters</b>
		<i>Salmonella</i>
<b>2.9.23</b>	<b>DRIED MANGO SLICES</b>	<b>General Parameters</b>
		Means the dried wholesome, edible part of raw mango fruit with or without the outer skin.
		Physical examination for fungus, moulds, living and dead insects, insect fragments and rodent contamination(hair, excreta), and fungus visible to the naked eye
		Test for preservatives (Benzoic acid and its salts, Sorbic Acid and its salts, Sulphur di oxide, potassium meta bisulphite)
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Beta carotene, Carotene(Natural extract), Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours(Plain), Caramel colours(Ammonium Sulphite process)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		Test for anti oxidant (BHA and TBHQ)
		Test for Common salt
		<b>It shall be free from deleterious substances injurious to health.</b>
		<b>Quality Parameters</b>
		Extraneous matter organic (Chaff, stems, straw ) and inorganic (Dust, dirt, stones, lumps of earth). The inorganic extraneous matter shall not exceed 2 % by weight of the total extraneous matter.
		Moisture
		Damaged slices
		Seed Coatings
		<b>Metal Contaminants</b>
		Lead

Std. Nos.	Categories	Parameters
		Copper
		Arsenic
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Zinc
		Cadmium
		<b>Contaminants</b>
		Aflatoxin
		<b>Pesticides [Taken from Mango]</b>
		Aldrin, dieldrin (the limits apply to aldrin and dieldrin singly or in any combination and are expressed as dieldrin)
		Chlordane (residue to be measured as cis plus trans chlordane)
		D.D.T. (The limits apply to D.D.T., D.D.D. and D.D.E. singly or in any combination)
		Dichlorvos (content of di- chloroacetaldehyde (D.C.A.) be reported where possible)
		Dicofol
		Dimethoate (residue to be determined as dimethoate and expressed as dimethoate)
		Endosulfan (residues are measured and reported as total of endosulfan A and B and endosulfan-sulphate)
		Fenitrothion
		Inorganic bromide (determined and expressed as total bromide from all sources)
		Hexachlorocyclohexane and its Isomers
		(a) Alfa ( $\alpha$ ) Isomer:
		(b) Beta ( $\beta$ ) Isomer :
		(c) Gamma ( $\gamma$ ) Isomer (Known as Lindane)
		(d) Delta ( $\delta$ ) Isomer
		Malathion (Malathion to be determined and expressed as combined residues of malathion and malaoxon)
		Parathion (Combined residues of parathion and paraoxon to be determined and expressed as parathion)
		Parathion methyl (combined residues of parathion methyl and its oxygen analogue to be determined and expressed as parathion methyl)
		Phosphamidon residues (expressed as the sum of phosphamidon and its desethyl derivative)
		Pyrethrins (sum of pyrethrins I & II and other structurally related insecticide ingredients of pyrethrum)
		Chlorobenzilate

Std. Nos.	Categories	Parameters
		Chlorpyrifos
		2,4D
		Ethion (Residues to be determined as ethion and its oxygen analogue and expressed as ethion)
		Formothion (Determined as dinethoate and its oxygen Analogue and expressed as dimethoate except in case of citrus fruits where it is to be determined as formothion)
		Monocrotophos
		Paraquat Dichloride (Determined as Paraquat cations)
		Phosalone
		Trichlorfon
		Thiometon (Residues determined as thiometon its sulfoxide and sulphone expressed as thiometon)
		Carbendazim
		Benomyl
		Captan
		Carbofuran (sum of carbofuran and 3-hydroxy carbofuran expressed as carbofuran)
		Copper Oxochloride (determined as copper)
		Dithiocarbamates (the residue tolerance limit are determined and expressed as mg/CS <sub>2</sub> /kg and refer separately to the residues arising from any or each group of dithiocarbamates)
		Phorate (sum of Phorate, its oxygen analogue and their sulphoxides and sulphones, expressed as phorate)
		Ethephon
		Tridemorph
		<b>Microbiological Safety Parameters</b>
		<i>Salmonella</i>
<b>2.9.24</b>	<b>DRIED MANGO POWDER</b>	<b>General Parameters</b>
		Means the powder obtained by grinding clean and dried mango slices having characteristic taste and flavor.
		Physical examination for moulds, living and dead insects, insect fragments and rodent contamination (hair, excreta), and fungus visible to the naked eye
		Test for preservatives (Benzoic acid and its salts, Sorbic Acid and its salts, Sulphur di oxide, potassium meta bisulphite)
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Beta carotene, Carotene (Natural

Std. Nos.	Categories	Parameters
		extract), Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours(Plain), Caramel colours(Ammonium Sulphite process)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		Test for anti oxidant (BHA and TBHQ)
		Test for Common salt
		Test for musty odour
		<b>It shall be free from deleterious substances injurious to health.</b>
		<b>Quality Parameters</b>
		Moisture
		Total ash (salt free basis)
		Ash insoluble in dilute HCl
		Crude fibre
		Acidity as anhydrous tartaric acid
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Zinc
		Cadmium
		<b>Contaminants</b>
		Aflatoxin
		<b>Pesticides</b>
		Aldrin, dieldrin (the limits apply to aldrin and dieldrin singly or in any combination and are expressed as dieldrin)
		Chlordane (residue to be measured as cis plus trans chlordane)
		D.D.T. (The limits apply to D.D.T., D.D.D. and D.D.E. singly or in any combination)
		Diazinon
		Dichlorvos (content of di- chloroacetaldehyde (D.C.A.) be reported where possible)
		Dicofol
		Dimethoate (residue to be determined as dimethoate and expressed as dimethoate)
		Endosulfan (residues are measured and reported as total of endosulfan A and B and endosulfan-sulphate)

Std. Nos.	Categories	Parameters
		Fenitrothion
		Inorganic bromide (determined and expressed as total bromide from all sources)
		Hexachlorocyclohexane and its Isomers
		(a) Alfa ( $\alpha$ ) Isomer:
		(b) Beta ( $\beta$ ) Isomer :
		(c) Gamma ( $\gamma$ ) Isomer (Known as Lindane)
		(d) Delta ( $\delta$ ) Isomer
		Malathion (Malathion to be determined and expressed as combined residues of malathion and malaoxon)
		Parathion (Combined residues of parathion and paraoxon to be determined and expressed as parathion)
		Parathion methyl (combined residues of parathion methyl and its oxygen analogue to be determined and expressed as parathion methyl)
		Phosphamidon residues (expressed as the sum of phosphamidon and its desethyl derivative)
		Pyrethrins (sum of pyrethrins I & II and other structurally related insecticide ingredients of pyrethrum)
		Chlorobenzilate
		Chlorpyrifos
		2,4D
		Ethion (Residues to be determined as ethion and its oxygen analogue and expressed as ethion)
		Formothion (Determined as dimethoate and its oxygen analogue and expressed as dimethoate except in case of citrus fruits where it is to be determined as formothion)
		Monocrotophos
		Paraquat Dichloride (Determined as Paraquat cations)
		Phosalone
		Trichlorfon
		Thiometon (Residues determined as thiometon its sulfoxide and sulphone expressed as thiometon)
		Carbendazim
		Benomyl
		Captan
		Carbofuran (sum of carbofuran and 3-hydroxy carbofuran expressed as carbofuran)
		Copper Oxychloride (determined as copper)
		Dithiocarbamates (the residue tolerance limit are determined and expressed as mg/CS <sub>2</sub> /kg and refer separately to the residues arising from any or each group of dithiocarbamates)
		Phorate (sum of Phorate, its oxygen analogue and their sulfoxides)

Std. Nos.	Categories	Parameters
		and sulphones,expressed as phorate)
		Ethephon
		Tridemorph
		<b>Microbiological Safety Parameters</b>
		<i>Salmonella</i>
2.9.25	PEPPER WHITE	
2.9.25.1	Pepper White Whole	<b>General Parameters</b>
		Means the dried berries of Piper nigrum L. from which the outer pericarp is removed with or without preliminary soaking in water and subsequent drying, if necessary. The berries shall be light brown to white in colour with a smooth surface.
		Physical examination for moulds, living and dead insects, insect fragments and rodent contamination(hair, excreta) visible to the naked eye
		Test for added Natural colours (Curcumin, Riboflavin,Chlorophyll, Beta carotene, Carotene(Natural extract),Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours(Plain), Caramel colours(Ammonium Sulphite process)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		Test for Mineral oil
		Test for mustiness
		<b>Quality Parameters</b>
		Extraneous matter organic (Chaff, stems, straw) and inorganic (Dust, dirt, stones, lumps of earth). The inorganic extraneous matter shall not exceed 2 % by weight of the total extraneous matter.
		Broken Berries
		Black berries
		Bulk Density (gm/litre)
		Moisture
		Total ash on dry basis
		Non Volatile ether extract on dry basis
		Volatile oil content on dry basis
		Piperine Content on dry basis
		Insect damaged matter
		<b>Metal Contaminants</b>
		Lead

Std. Nos.	Categories	Parameters
		Copper
		Arsenic
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Zinc
		Cadmium
		<b>Contaminants</b>
		Aflatoxin
		<b>Pesticides</b>
		Inorganic bromide (determined and expressed as total bromide from all sources)
		<b>Microbiological Safety Parameters</b>
		<i>Salmonella</i>
<b>2.9.25.2</b>	<b>Pepper White Powder</b>	<b>General Parameters</b>
		Means the powder obtained by grinding dried berries of <i>Piper nigrum</i> L. from which the outer pericarp is removed and to which no foreign matter is added.
		Physical examination for moulds, living and dead insects, insect fragments and rodent contamination (hair, excreta) visible to the naked eye
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Beta carotene, Carotene (Natural extract), Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours (Plain), Caramel colours (Ammonium Sulphite process))
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF)
		Test for foreign Starch (Microscopy)
		Test for Mineral oil
		Test for mustiness
		<b>Quality Parameters</b>
		Moisture
		Total ash on dry basis
		Ash insoluble in dilute HCl on dry basis
		Crude fibre on dry basis
		Non Volatile ether extract on dry basis
		Volatile oil content on dry basis

Std. Nos.	Categories	Parameters
		Piperine Content on dry basis
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Zinc
		Cadmium
		<b>Contaminants</b>
		Aflatoxin
		<b>Pesticides</b>
		Inorganic bromide (determined and expressed as total bromide from all sources)
		<b>Microbiological Safety Parameters</b>
		<i>Salmonella</i>
<b>2.9.26</b>	<b>GARLIC (LAHSUN)</b>	<b>General Parameters</b>
		Means the product obtained by drying by any suitable method which ensures characteristics of fresh garlic on rehydration the cloves of <i>Allium sativum</i> L. without bleaching or pre-cooking. It shall be white to pale cream in colour.
		Physical examination for moulds, fungal infection, living and dead insects, insect fragments and rodent contamination (hair, excreta), stalks, peels, stems visible to the naked eye
		Physical examination for scorched, toasted and baked particles visible to the naked eye
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Beta carotene, Carotene (Natural extract), Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours (Plain), Caramel colours (Ammonium Sulphite process))
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF)
		Test for foreign Starch (Microscopy) for powder
		Test for off flavor, mustiness, fermentation and rancidity
		<b>Quality Parameters</b>
		Extraneous matter organic (Chaff, stems, straw) and inorganic (Dust, dirt, stones, lumps of earth). The inorganic extraneous matter shall not

Std. Nos.	Categories	Parameters
		exceed 2 % by weight of the total extraneous matter.
		Moisture
		a. In case of powdered Garlic
		b. other than powdered Garlic
		Total ash on dry basis
		Ash insoluble in dil HCl
		Cold water soluble extract on dry basis
		Volatile organic sulphur compound on dry basis
		Peroxidase test
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Zinc
		Cadmium
		<b>Contaminants</b>
		Aflatoxin
		<b>Pesticides</b>
		Inorganic bromide (determined and expressed as total bromide from all sources)
		<b>Microbiological Safety Parameters</b>
		<i>Salmonella</i>
<b>2.9.27</b>	<b>CELERY</b>	
<b>2.9.27.1</b>	<b>Celery Whole</b>	<b>General Parameters</b>
		Means the dried ripe fruits (seeds) of <i>Apium graveoleans</i> L. Shall be of uniform colour.
		Physical examination for moulds, living and dead insects, insect fragments and rodent contamination(hair, excreta) visible to the naked eye
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Beta carotene, Carotene(Natural extract), Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours(Plain), Caramel colours(Ammonium Sulphite process)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		Test for Mineral oil

Std. Nos.	Categories	Parameters
		Test for mustiness
		<b>Quality Parameters</b>
		Extraneous matter organic (Chaff, stems, straw ) and inorganic (Dust, dirt, stones, lumps of earth). The inorganic extraneous matter shall not exceed 2 % by weight of the total extraneous matter.
		Moisture
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Zinc
		Cadmium
		<b>Contaminants</b>
		Aflatoxin
		<b>Pesticides</b>
		Inorganic bromide (determined and expressed as total bromide from all sources)
<b>2.9.28</b>	<b>DEHYDRATED ONION (SUKHA PYAJ)</b>	<b>General Parameters</b>
		Means the product obtained by removal of most moisture by any acceptable method which ensures characteristics of fresh onions on rehydration, from sound bulbs of Allium cepa.L.
		Physical examination for moulds, living and dead insects, insect fragments and rodent contamination(hair, excreta) visible to the naked eye
		Physical examination for outer skin, leaves and roots, stems scorched particles visible to the naked eye
		Test for added Natural colours (Curcumin, Riboflavin,Chlorophyll, Beta carotene, Carotene(Natural extract),Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours(Plain), Caramel colours(Ammonium Sulphite process)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		Test for foreign Starch (Microscopy) for powder
		Test for mustiness , fermentation and rancidity

Std. Nos.	Categories	Parameters
		<b>Quality Parameters</b>
		Extraneous matter organic (Chaff, stems, straw ) and inorganic (Dust, dirt, stones, lumps of earth). The inorganic extraneous matter shall not exceed 2 % by weight of the total extraneous matter.
		Moisture
		a. In case of powdered Onion
		b. other than powdered Onion
		Total ash on dry basis
		Ash insoluble in dil HCl
		Peroxidase test
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Zinc
		Cadmium
		<b>Contaminants</b>
		Aflatoxin
		<b>Pesticides</b>
		Inorganic bromide (determined and expressed as total bromide from all sources)
<b>2.9.29</b>	<b>ASAFOETID A</b>	<b>General Parameters</b>
		Means the oleogumresin obtained from the rhizome and roots of Ferula alliaces, Ferula rubricaulis and other species of Ferula.
		Test for Foreign Resin
		Test for added Natural colours (Curcumin, Riboflavin, Chlorophyll, Beta carotene, Carotene(Natural extract), Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours(Plain), Caramel colours(Ammonium Sulphite process)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
	<b>Hing</b>	<b>Quality Parameters</b>
		Total ash content
		Ash insoluble in dilute hydrochloric acid
		The alcoholic extract (with 90 % alcohol)
		Starch

Std. Nos.	Categories	Parameters
	<b>Hingra</b>	Total ash content
		Ash insoluble in dilute hydrochloric acid
		The alcoholic extract (with 90 % alcohol)
		Starch
	<b>Compounded asafoetida</b>	Colophony resin
		Galbanum resin
		Ammoniaccum resin
		Any other foreign resin
		Coal tar dyes
		Mineral pigment
		Total ash content
		Ash insoluble in dilute hydrochloric acid
		Alcoholic extract, (with 90 % of alcohol) as estimated by the U.S.P. 1936 method
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Zinc
		Cadmium
		<b>Contaminants</b>
		Aflatoxin
		<b>Pesticides</b>
		Inorganic bromide (determined and expressed as total bromide from all sources)
<b>2.9.30</b>	<b>EDIBLE COMMON SALT</b>	
<b>2.9.30.1</b>	<b>Edible common salt</b>	<b>General Parameters</b>
		Means a crystalline solid, white, pale, pink or light grey in colour.
		Physical examination for clay, grit, living and dead insects, insect fragments and rodent contamination(hair, excreta) visible to the naked eye
		<b>Quality Parameters</b>
		Moisture
		Minimum %age of sodium chloride content as NaCl (on dry basis)

Std. Nos.	Categories	Parameters
		Maximum %age of matter soluble in water other than NaCl (on dry basis)
		Total matter insoluble in water where an anticaking agent has been added
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Zinc
		Cadmium
<b>2.9.30.2</b>	<b>IODISED SALT</b>	<b>General Parameters</b>
		Means a crystalline salt, white or pale, pink or light grey in colour.
		Physical examination from clay, grit, living and dead insects, insect fragments and rodent contamination(hair, excreta) visible to the naked eye
		<b>Quality Parameters</b>
		Moisture
		Sodium Chloride (NaCl)
		Matter insoluble in water
		Matter soluble in water Other than Sodium Chloride
		Iodine content at—
		(a) Manufacture level
		(b) Distribution channel including retail level
		Total matter insoluble in water where an anticaking agent has been added
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Zinc
		Cadmium
<b>2.9.30.3</b>	<b>Iron fortified common</b>	<b>General Parameters</b>

Std. Nos.	Categories	Parameters
	<b>salt</b>	
		Means a crystalline salt, white or pale, pink or light grey in colour. Salt used for manufacture of double fortified salt shall have minimum 99% sodium chloride content on dry weight basis [when ferrous sulphate is used for fortification; minimum 98% sodium chloride content on dry weight basis when ferrous fumarate in encapsulated form is used for fortification]
		Physical examination for clay, grit, living and dead insects, insect fragments and rodent contamination(hair, excreta) visible to the naked eye
		<b>Quality Parameters</b>
		Moisture
		Water insoluble matter weight basis
		Chloride content as NaCl
		Matter insoluble in dilute HCl
		Matter soluble in water other than NaCl
		Iron content (as Fe)
		Phosphorous as P <sub>2</sub> O <sub>5</sub>
		Sulphate as (SO <sub>4</sub> )
		Magnesium as (Mg) water soluble
		pH value in 5% aqueous Solution
		Total matter insoluble in water where an anticaking agent has been added
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Zinc
		Cadmium
<b>2.9.30.4</b>	<b>Potassium Iodate</b>	<b>General Parameters</b>
		Potassium Iodate means a crystalline powder, white in colour free from impurities.
		Physical examination for clay, grit, living and dead insects, insect fragments and rodent contamination(hair, excreta) visible to the naked eye
		<b>Quality Parameters</b>
		Potassium Iodate (as KIO <sub>3</sub> ) % by weight

Std. Nos.	Categories	Parameters
		Solubility
		Iodine (as I) % by wt.
		Sulphate (as SO <sub>4</sub> ) % by wt.
		Bromate, bromide, chlorate & chloride % by wt.
		Matter insoluble in water % by wt.
		Loss on drying % by wt.
		pH (5 % solution)
		<b>Metal Contaminants</b>
		Heavy metal (as Pb) not more than
		Copper
		Arsenic
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Zinc
		Iron (as Fe)
<b>2.9.30.5</b>	<b>Iron fortified iodised salt (Double fortified salt)</b>	<b>General Parameters</b>
		Means a crushed crystalline solid; white or pale or pink or light grey in colour
		Physical examination for clay, grit, living and dead insects, insect fragments and rodent contamination(hair, excreta) visible to the naked eye
		<b>Quality Parameters</b>
		Moisture
		Water insoluble matter
		Chloride content (as NaCl)
		Matter insoluble in dilute HCl
		Matter soluble in water other than NaCl
		Iron content (as Fe)
		Iodine content:
		a. Manufacturers level
		b. Distribution Channel including Retail level
		Phosphorous as P <sub>2</sub> O <sub>5</sub>
		Sulphate as (SO <sub>4</sub> )
		Magnesium as (Mg) water soluble
		pH value in 5% aqueous Solution
		<b>Metal Contaminants</b>
		Lead

Std. Nos.	Categories	Parameters
		Copper
		Arsenic
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Zinc
		Cadmium

**\*Products should be free from all adulterants.**

# **Volume-10**

## **Beverages (Other than Dairy and fruits & Vegetables)**

## TEST PARAMETERS FOR BEVERAGES

In case the product contains any permitted additives as per Appendix A, the testing for the additive is also required to be carried out in addition to the prescribed parameters.

Test methods described in the manuals as amended and adopted by FSSAI from time to time shall only be used for analyzing the samples of Food Articles.

Std. Nos.	Categories	Parameters
<b>2.10</b>	<b>BEVERAGES (OTHER THAN DAIRY AND FRUIT &amp; VEGETABLES)</b>	
<b>2.10.1</b>	<b>TEA</b>	
<b>2.10.1.1</b>	<b>Tea</b>	<b>General Parameters</b>
		TEA means tea other than Kangra tea obtained by acceptable processes, exclusively from the leaves, buds and tender stems of plant of the <i>Camellia sinensis</i> (L) O. Kuntze. It may be in the form of black or oolong tea. Pectinase enzyme can be added up to a level of 0.2% during manufacture as processing aid.
		Physical examination for extraneous matter (living insects, moulds, dead insects, insect fragments and rodent contamination (hair, excreta) visible to the naked eye
		Extraneous matter
		It shall be free from off odour, taint & mustiness
		Test for added Natural colours  (Curcumin, Riboflavin, Chlorophyll, Beta carotene, Carotene (Natural extract), Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Ethyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours (Plain), Caramel colours (Ammonium Sulphite process)
		Test for synthetic colors  (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF)
		Iron Filings
		<b>Quality Parameters (Expressed on the basis of the material oven-dried at 103±2 °C)</b>
		Total Ash (m/m)
		Water Soluble Ash
		Alkalinity of water soluble ash expressed as KOH (m/m)
		Acid-insoluble ash (m/m)
		Water extract (m/m)
		Crude Fibre (m/m)

Std. Nos.	Categories	Parameters
		<b>Naturally occurring toxic substances</b>
		Aflatoxin
		Agaric acid
		Hydrocyanic acid
		Hypericine
		Saffrole
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Zinc
		Cadmium
		<b>Pesticides</b>
		Dicofol
		Ethion (Residues to be determined as ethion and its oxygen analogue and expressed as ethion)
		Quinolphos
		Glyphosphate
		Fenazaquin
		Glufosinate-ammonium
		Propargite
<b>2.10.1.2</b>	<b>Kangra Tea</b>	<b>General Parameters</b>
		Kangra tea means tea derived exclusively from the leaves, buds and tender stems of plants of the <i>Camellia sinensis</i> or Camellia tea grown in Kangra and Mandi valleys of Himachal Pradesh. It shall not contain any added colouring matter. It may also contain 0.2 per cent Pectinase enzyme.
		Physical examination for extraneous matter (living insects, moulds, dead insects, insect fragments and rodent contamination (hair, excreta) visible to the naked eye.
		Extraneous matter
		Test for added Natural colours  (Curcumin, Riboflavin, Chlorophyll, Beta carotene, Carotene (Natural extract), Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Ethyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel

Std. Nos.	Categories	Parameters
		colours(Plain), Caramel colours(Ammonium Sulphite process)
		Test for synthetic colors  (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		Iron Filings
		<b>Quality Parameters</b>
		Total ash determined on tea dried to constant weight at 100°C
		Total ash soluble in boiling distilled water
		Ash insoluble in dilute hydrochloric acid
		Extract obtained by boiling dried tea (dried to constant weight at 180°C) with 100 parts of distilled water for one hour under reflux
		Alkalinity of soluble ash expressed as K <sub>2</sub> O on dry basis
		Crude fibre determined on tea dried to constant weight at 100°C
		<b>Naturally occurring toxic substances</b>
		Aflatoxin
		Agaric acid
		Hydrocyanic acid
		Hypericine
		Saffrole
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Zinc
		Cadmium
		<b>Pesticides</b>
		Dicofol
		Ethion (Residues to be determined as ethion and its oxygen analogue and expressed as ethion)
		Quinolphos
		Glyphosphate
		Fenazaquin
		Glufosinate-ammonium
		Propargite
<b>2.10.1.3</b>	<b>Green Tea</b>	<b>General Parameters</b>

Std. Nos.	Categories	Parameters
		Green Tea means the product derived solely and exclusively, and produced by acceptable processes, notably enzyme, inactivation, rolling or comminution and drying, from the leaves, buds and tender stems of varieties of the species <i>Camellia sinensis</i> (L) O Kuntze.
		Physical examination for extraneous matter (living insects, moulds, dead insects, insect fragments and rodent contamination (hair, excreta) visible to the naked eye
		It shall be free from off odour, taint & mustiness.
		Extraneous matter
		Test for added Natural colours  (Curcumin, Riboflavin, Chlorophyll, Beta carotene, Carotene (Natural extract), Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Ethyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours (Plain), Caramel colours (Ammonium Sulphite process)
		Test for synthetic colors  (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF)
		Iron Filings
		<b>Quality Parameters (Expressed on the basis of the material oven-dried at 103±2 °C)</b>
		Total Ash (m/m)
		Water-soluble ash
		Alkalinity of water - soluble ash expressed as KOH (m/m)
		Acid-insoluble ash (m/m)
		Water-extract (m/m)
		Crude fibre (m/m)
		Total catechins (m/m)
		<b>Naturally occurring toxic substances</b>
		Aflatoxin
		Agaric acid
		Hydrocyanic acid
		Hypericine
		Saffrole
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Mercury
		Methyl Mercury calculated as the element

Std. Nos.	Categories	Parameters
		Tin
		Zinc
		Cadmium
		<b>Pesticides</b>
		Dicofol
		Ethion (Residues to be determined as ethion and its oxygen analogue and expressed as ethion)
		Quinolphos
		Glyphosphate
		Fenazaquin
		Glufosinate-ammonium
		Propargite
<b>2.10.2</b>	<b>COFFEE</b>	
<b>2.10.2.1.4</b>	<b>Roasted coffee and ground coffee</b>	<b>General Parameters</b>
		Coffee (green raw or unroasted) means the dried seeds of <i>Coffea arabica</i> , <i>Coffea liberica</i> , <i>Coffea excelsa</i> or <i>Coffea canephora</i> (robusta) with their husks (mesocarp and endocarp) removed. It shall be in sound, dry and fresh condition i) Roasted coffee means properly cleaned green coffee which has been roasted to a brown colour and has developed its characteristic aroma. ii) Ground coffee means the powdered products obtained from 'roasted coffee' only and shall be free from husk.
		Physical examination for extraneous matter (living insects, moulds, dead insects, insect fragments and rodent contamination (hair, excreta) visible to the naked eye.
		Test for added Natural colours  (Curcumin, Riboflavin, Chlorophyll, Beta carotene, Carotene (Natural extract), Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Ethyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours (Plain), Caramel colours (Ammonium Sulphite process)
		Test for synthetic colors  (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF)
		Rancid/obnoxious flavor

Std. Nos.	Categories	Parameters
		<b>Quality Parameters</b>
		Moisture (on dry basis) m/m
		Total Ash (on dry basis) m/m
		Acid insoluble ash (on dry basis) m/m
		Water soluble ash (on dry basis) m/m
		Alkainity of soluble ash in milliliters of 0.1 N hydrochloric acid per gram of material (on dry basis) m/m
		Aqueous extracts on dry basis m/m
		Caffeine (anhydrous)(on dry basis) m/m
		<b>Naturally occurring toxic substances</b>
		Aflatoxin
		Agaric acid
		Hydrocyanic acid
		Hypericine
		Saffrole
		Ochratoxin
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Zinc
		Cadmium
		<b>Pesticides</b>
		Monocrotophos
		Ethephon
<b>2.10.2.2</b>	<b>Soluble Coffee Powder</b>	<b>General Parameters</b>
		Soluble Coffee Powder means coffee powder, obtained from freshly roasted and ground pure coffee beans. The product shall be in the form of a free flowing powder or shall be in the agglomerated form (granules) having colour, taste and flavour characteristic of coffee. It shall be free from impurities or any other added substances.
		Physical examination for extraneous matter (living insects , moulds, dead insects, insect fragments and rodent contamination(hair, excreta) visible to the naked eye
		Test for added Natural colours  (Curcumin, Riboflavin, Chlorophyll, Beta carotene,

Std. Nos.	Categories	Parameters
		Carotene(Natural extract),Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Ethyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours(Plain), Caramel colours(Ammonium Sulphite process)
		Test for synthetic colors  (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		Test for chicory
		Test for preservatives (SO <sub>2</sub> , Benzoic acid and its salts, Sorbic Acid and its salts, Sulphur dioxide)
		Test for antioxidants (BHA, TBHQ)
		<b>Quality Parameters</b>
		Moisture (on dry basis) m/m
		Total ash (on dry basis) m/m
		Caffeined content (on dry basis) m/m
		Solubility in boiling water
		Solubilty in cold water at 16±2 °C
		<b>Naturally occurring toxic substances</b>
		Aflatoxin
		Agaric acid
		Hydrocyanic acid
		Hypericine
		Saffrole
		Ochratoxin
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Zinc
		Cadmium
2.10.3	CHICORY	<b>General Parameters</b>
		Chicory means the roasted chicory powder obtained by roasting and grinding of the cleaned and dried roots of <i>Chicorium intybus</i> Lin with or without the addition of edible fats and oils or sugar, like glucose or sucrose.
		Physical examination for extraneous matter (living insects ,

Std. Nos.	Categories	Parameters
		moulds, dead insects, insect fragments and rodent contamination(hair, excreta) visible to the naked eye
		Test for added Natural colours  (Curcumin, Riboflavin, Chlorophyll, Beta carotene, Carotene(Natural extract),Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Ethyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours(Plain), Caramel colours(Ammonium Sulphite process)
		Test for synthetic colors  (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		Artificial flavor
		Test for preservatives (SO <sub>2</sub> , Benzoic acid and its salts, Sorbic acid and its salts)
		Test for antioxidants (BHA, TBHQ)
		<b>Quality Parameters</b>
		Total ash (on dry basis) m/m
		Acid insoluble ash (on dry basis) m/m in diluted HCl
		Aqueous extracts (on dry basis) m/m
		Sugar, like glucose or sucrose. in proportion.
		<b>Naturally occurring toxic substances</b>
		Aflatoxin
		Agaric acid
		Hydrocyanic acid
		Hypericine
		Saffrole
		Ochratoxin
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Zinc
		Cadmium
<b>2.10.4</b>	<b>COFFEE-CHICORY MIXTURE</b>	

Std. Nos.	Categories	Parameters
2.10.4.1	Coffee-Chicory Mixture	<b>General Parameters</b>
		Coffee - Chicory Mixture means the product prepared by mixing roasted and ground coffee and roasted and ground chicory and shall be in a sound, dry and dust free condition. The coffee content in the mixture shall not be less than 51 per cent by mass.
		Physical examination for extraneous matter (living insects , moulds, dead insects, insect fragments and rodent contamination(hair, excreta) visible to the naked eye.
		Test for added Natural colours  (Curcumin, Riboflavin, Chlorophyll, Beta carotene, Carotene(Natural extract),Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Ethyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours(Plain), Caramel colours(Ammonium Sulphite process)
		Test for synthetic colors  (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		Rancid or obnoxious flavour
		Test for preservatives (SO <sub>2</sub> , Benzoic acid ad its salts, Sorbic acid and its salts)
		Test for antioxidants (BHA, TBHQ)
		<b>Quality Parameters</b>
		Coffee content in the mixture
		Moisture
		Total ash on dry basis
		Acid insoluble ash on dry basis
		Caffeine content on dry basis
		Aqueous extracts
		<b>Naturally occurring toxic substances</b>
		Aflatoxin
		Agaric acid
		Hydrocyanic acid
		Hypericine
		Saffrole
		Ochratoxin
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic

Std. Nos.	Categories	Parameters
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Zinc
		Cadmium
<b>2.10.4.2</b>	<b>Instant Coffee- Chicory Mixture</b>	<b>General Parameters</b>
		Instant Coffee - Chicory Mixture means the product manufactured from roasted and ground coffee and roasted and ground chicory. It shall be in sound dry and dust free condition. It shall be in the form of a free flowing powder or shall be in the agglomerated (granules) form having the colour, taste and flavour characteristics of coffee chicory powder. The coffee content in the mixture shall not be less than 51 per cent by mass on dry basis.
		Rancid or obnoxious flavour
		Physical examination for extraneous matter (living insects , moulds, dead insects, insect fragments and rodent contamination(hair, excreta) visible to the naked eye
		Test for added Natural colours  (Curcumin, Riboflavin, Chlorophyll, Beta carotene, Carotene(Natural extract),Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Ethyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours(Plain), Caramel colours(Ammonium Sulphite process)
		Test for synthetic colors  (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		Artificial flavor
		Test for preservatives (SO <sub>2</sub> , Benzoic acid and its salts, Sorbic acid and its salts)
		Test for antioxidants (BHA, TBHQ)
		<b>Quality Parameters</b>
		Coffee content in the mixture
		Moisture
		Total ash on dry basis
		Acid insoluble ash on dry basis
		Caffeine (anhydrous)

Std. Nos.	Categories	Parameters
		Solubility in boiling water
		Solubility in cold water at 16 ± 20 °C
		<b>Naturally occurring toxic substances</b>
		Aflatoxin
		Agaric acid
		Hydrocyanic acid
		Hypericine
		Saffrole
		Ochratoxin
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Zinc
		Cadmium
<b>2.10.5</b>	<b>BEVERAGES ALCOHOLIC</b>	
<b>2.10.5.1</b>	<b>Toddy</b>	<b>General Parameters</b>
		Toddy means the sap from coconut, date, toddy palm tree or any other kind of palm tree which has undergone alcoholic fermentation. It shall be white cloudy in appearance which sediments on storage and shall possess characteristic flavour derived from the sap and fermentation without addition of extraneous alcohol.
		Physical examination for extraneous matter (living insects , moulds, dead insects, insect fragments and rodent contamination(hair, excreta) visible to the naked eye
		Test for added Natural colours  (Curcumin, Riboflavin, Chlorophyll, Beta carotene, Carotene(Natural extract),Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Ethyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours(Plain), Caramel colours(Ammonium Sulphite process)
		Test for synthetic colors  (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )

Std. Nos.	Categories	Parameters
		Artificial flavor
		Test for preservatives (SO <sub>2</sub> , Benzoic acid, Sorbic acid and their salts)
		Test for Chloral hydrate
		Test for all artificial sweeteners ( Saccharin, Acesulfame-K, Aspartame, Sucralose, Neotame)
		Test for paraldehyde
		Test for sedative/ tranquilizers
		<b>Quality Parameters</b>
		Alcoholic content
		Total acid as Tartaric acid (expressed in terms of 100 litres of absolute alcohol)
		Volatile acid as Acetic acid expressed in terms of 100 litres of absolute alcohol)
		<b>Naturally occurring toxic substances</b>
		Hydrocyanic acid
		Hypericine
		Saffrole
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Zinc
		Cadmium
<b>2.10.6</b>	<b>BEVERAGES NON-ALCOHOLIC-CARBONATED</b>	
<b>2.10.6.1</b>	<b>Carbonated Water</b>	<b>General Parameters</b>
		Carbonated Water means water conforming to the standards prescribed for Packaged Drinking Water under Food Safety and Standard Act, 2006 impregnated with carbon dioxide under pressure.
		Physical examination for extraneous matter (living insects , moulds, dead insects, insect fragments and rodent contamination(hair, excreta) visible to the naked eye
		Test for added Natural colours  (Curcumin, Riboflavin, Chlorophyll, Beta carotene,

Std. Nos.	Categories	Parameters
		Carotene(Natural extract),Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Ethyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours(Plain), Caramel colours(Ammonium Sulphite process)
		Test for synthetic colors  (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		Artificial flavor
		Test for preservatives: Sulphur di oxide (SO <sub>2</sub> )
		Test for preservatives: Benzoic acid and its salts
		Test for preservative : Sorbic Acid and its salts
		Test for Estergum
		Test for Quinine salts
		Test for saccharin sodium*
		Test for Acesulfame-K*
		Test for Aspartame Methyl Ester*
		Test for Sucralose*
		Test for Neotame*
		Xanthan Gum
		Test for Non Nutritive Sweetener a. Steviol Glycoside
		<b>* May contain either one : saccharin or acesulfame-K or Aspartame or sucralose or neotame</b>
		<b>Quality and Safety Parameters</b>
		Caffeine
		Colour, hazen unit/true colour unit
		Odour
		Taste
		Turbidity
		Total Dissolved Solids
		pH
		Nitrates (as NO <sub>3</sub> )
		Nitrites (as NO <sub>2</sub> )
		Sulphide (as H <sub>2</sub> S)
		Mineral Oil
		Phenolic compounds(as C <sub>6</sub> H <sub>5</sub> OH)
		Manganese (as Mn)
		Copper (as Cu)
		Zinc (as Zn)
		Fluoride (as F)

Std. Nos.	Categories	Parameters
		Barium (as Ba)
		Antimony (as Sb)
		Nickel (as Ni)
		Borate (as B)
		Anionic surface active agents (as MBAS)
		Silver (as Ag)
		Chlorides (as Cl)
		Sulphate (as SO <sub>4</sub> )
		Magnesium (as Mg)
		Calcium (as Ca)
		Sodium (as Na)
		Alkalinity (as HCO <sub>3</sub> )
		Arsenic (as As)
		Cadmium (as Cd)
		Cyanide (as CN)
		Chromium (as Cr)
		Mercury (as Hg)
		Lead (as Pb)
		Selenium (as Se)
		Iron (as Fe)
		Poly nuclear aromatic Hydrocarbons
		Polychlorinated biphenyle (PCB)
		Aluminium (as Al)
		Residual free chlorine
		<b>Pesticides</b>
		D.D.T. (singly)
		D.D.D. (singly)
		D.D.E. (singly)
		Endosulfan A
		Endosulfan B
		Endosulfan-Sulphate
		Hexachlorocycle hexane and its Isomers
		(a) Alfa (α) Isomer:
		(b) Beta (β) Isomer
		(c) Gamma (γ) Isomer (Known as Lindane)
		(d) Delta (δ) Isomer
		Malathion (Malathion to be determined and expressed as combined residues of malathion and malaaxon)
		Chlorpyrifos
		<b>Microbiological Safety Parameters</b>
		<i>E.coli</i> or thermotolerant bacteria 1 x 250 ml
		Coliform bacteria 1 x 100 ml

Std. Nos.	Categories	Parameters
		Faecal Streptococci and Staphylococcus aureus 1 x 250 ml
		Pseudomonas aeruginosa 1 x 50 ml
		Sulphite reducing anaerobes 1x 50ml
		<i>Vibrio cholerae</i> and <i>V. parahaemolyticus</i> 1 x 250 ml
		Aerobic Microbial Count
		Total Plate count/mL
		Coliform count in 100 mL
		Yeast and mold count per mL
		<i>Salmonella</i> and <i>Shigella</i> 1 x 250 ml
		<b>Radioactivity parameters</b>
		"Alpha" activity
		"Beta" activity
<b>2.10.7</b>	<b>MINERAL WATER</b>	<b>General Parameters</b>
		Mineral water means includes all kinds of Mineral Water or Natural mineral water by whatever name it is called and sold.
		Colour, hazen unit/true colour unit
		Odour
		Taste
		Turbidity
		<b>Quality Parameters</b>
		Total Dissolved Solids
		pH
		Nitrates (as NO <sub>3</sub> )
		Nitrites (as NO <sub>2</sub> )
		Sulphide (as H <sub>2</sub> S)
		Mineral oil
		Phenolic compounds (as C <sub>6</sub> H <sub>5</sub> OH)
		Manganese (as Mn)
		Copper (as Cu)
		Zinc (as Zn)
		Fluoride (as F)
		Barium (as Ba)
		Antimony (as Sb)
		Nickel (as Ni)
		Borate (as B)
		Surface active agents
		Silver (as Ag)
		Chlorides (as Cl)
		Sulphate (as SO <sub>4</sub> )
		Magnesium (as Mg)

Std. Nos.	Categories	Parameters
		Calcium (as Ca)
		Sodium (as Na)
		Alkalinity (as HCO <sub>3</sub> )
		Arsenic (as As)
		Cadmium (as Cd)
		Cyanide (as CN)
		Chromium (as Cr)
		Mercury (as Hg)
		Lead (as Pb)
		Selenium (as Se)
		Poly nuclear aromatic hydrocarbons
		Polychlorinated biphenyle(PCB)
		<b>Pesticides</b>
		Pesticide Residue
		<b>Microbiological Safety Parameters</b>
		Yeast and mould counts
		<i>Salmonella and Shigella</i>
		<i>E.coli</i> or thermotolerant Coliforms 1 x 250 ml
		Total coliform bacteria A x 250 ml
		Fecal <i>Streptococci and Staphylococcus aureus</i> 1 x 250 ml
		<i>Pseudomonas aeruginosa</i> 1 x 250 ml
		Sulphite-reducing anaerobes 1 x 50 ml
		<i>Vibrio cholera</i> 1 x 250 ml
		<i>V. paraheamolyticus</i> 1 x 250 ml
		<b>Radioactivity parameters</b>
		"Alpha" activity
		"Beta" activity
<b>2.10.8</b>	<b>PACKAGED DRINKING WATER (OTHER THAN MINERAL WATER)</b>	<b>General Parameters</b>
		Packaged drinking water (other than Mineral water):- means water derived from surface water or underground water or sea water which is subjected to hereinunder specified treatments, namely, decantation, filtration, combination of filtration, aerations, filtration with membrane filter depth filter, cartridge filter, activated carbon filtration, de-mineralisation, re-mineralisation, reverse osmosis and packed after disinfecting the water to a level that shall not lead to any harmful contamination in the drinking water by means of chemical agents or physical methods to reduce the number of microorganisms to a level beyond scientifically accepted level for food safety or its suitability.

Std. Nos.	Categories	Parameters
		Colour, hazen unit/true colour unit
		Odour
		Taste
		Turbidity
		<b>Quality Parameters</b>
		Total Dissolved Solids
		pH
		Nitrates (as NO <sub>3</sub> )
		Nitrites (as NO <sub>2</sub> )
		Sulphide (as H <sub>2</sub> S)
		Mineral oil
		Phenolic compounds (as C <sub>6</sub> H <sub>5</sub> OH)
		Manganese (as Mn)
		Copper (as Cu)
		Zinc (as Zn)
		Fluoride (as F)
		Barium (as Ba)
		Antimony (as Sb)
		Nickel (as Ni)
		Borate (as B)
		Anionic Surface active agents(as MBAS)
		Silver (as Ag)
		Chlorides (as Cl)
		Sulphate (as SO <sub>4</sub> )
		Magnesium (as Mg)
		Calcium (as Ca)
		Sodium (as Na)
		Alkalinity (as HCO <sub>3</sub> )
		Arsenic (as As)
		Cadmium (as Cd)
		Cyanide (as CN)
		Chromium (as Cr)
		Mercury (as Hg)
		Lead (as Pb)
		Selenium (as Se)
		Poly nuclear aromatic hydrocarbons
		Polychlorinated biphenyle(PCB)
		Iron(as Fe)
		Aluminium (as Al)
		Residual free chlorine
		<b>Pesticides</b>
		(i) Pesticide residues considered individually -

Std. Nos.	Categories	Parameters
		Total pesticide residue —
		<b>Microbiological Safety Parameters</b>
		Yeast and mould counts
		<i>Salmonella and Shigella</i>
		<i>E.coli</i> or thermotolerant Coliforms 1 x 250 ml
		Total coliform bacteria 1 x 250 ml
		Fecal <i>Streptococci</i> and <i>Staphylococcus aureus</i> 1 x 250 ml
		<i>Pseudomonas aeruginosa</i> 1 x 250 ml
		Sulphite-reducing anaerobes 1 x 50 ml
		<i>Vibrio cholera</i> 1 x 250 ml
		<i>V. paraheamolyticus</i> 1 x 250 ml
		Aerobic Microbial Count
		<b>Radioactivity parameters</b>
		"Alpha" activity
		"Beta" activity

**\*Products should be free from all adulterants .**

# **Volume-11**

## **Other Food Products and Ingredients**

## TEST PARAMETERS FOR OTHER FOOD PRODUCTS AND INGREDIENTS

In case the product contains any permitted additives as per Appendix A, the testing for the additive is also required to be carried out in addition to the prescribed parameters.

Test methods described in the manuals as amended and adopted by FSSAI from time to time shall only be used for analyzing the samples of Food Articles.

Std. Nos.	Categories	Parameters
<b>2.11</b>	<b>OTHER FOOD PRODUCTS AND INGREDIENTS</b>	
2.11.1	<b>BAKING POWDER</b>	<b>General Parameters</b>
		Baking Powder means a combination capable, under conditions of baking, of yielding carbon dioxide and consists of sodium bicarbonate, and acid-reacting material, starch or other neutral material
		The acid-reacting material of baking powder shall be :— (a) tartaric acid or its salts, or both (b) acid salts of phosphoric acid, or (c) acid compounds of aluminium, or (d) any combination of the foregoing.
		Physical examination for extraneous matter (living insects , moulds, dead insects, insect fragments and rodent contamination (hair, excreta) visible to the naked eye
		<b>Quality Parameters</b>
		Carbon di oxide
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Zinc
		Cadmium
2.11.2	<b>CATECHU</b>	<b>General Parameters</b>
		Catechu (Edible) shall be the dried aqueous extract prepared from the heart-wood of <i>Acacia Catechu</i> .
		Physical examination for extraneous matter (living insects , moulds, dead insects, insect fragments and rodent contamination (hair, excreta), sand ,earth) visible to the naked eye

Std. Nos.	Categories	Parameters
		Test for added Natural colours  (Curcumin, Riboflavin, Chlorophyll, Beta carotene, Carotene(Natural extract),Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Ethyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours(Plain), Caramel colours(Ammonium Sulphite process)
		Test for synthetic colors  (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		5 mL of 1 % aqueous solution and 0.1 % solution of Ferric Ammonium Sulphate shall give a dark green color which on the addition of Sodium hydroxide solution shall turn purple
		<b>Quality Parameters</b>
		When dried to constant weight at 100 °C
		Water insoluble residue (dried at 100 °C)
		Alcohol insoluble residue in 90 % alcohol dried at 100°C
		Total ash on dry basis
		Ash insoluble in HCl
		In case of Bhatti Katha, the ash insoluble in dilute hydrochloric acid on dry basis
		<b>Naturally occurring Toxic Substances</b>
		Aflatoxin
		Agaric acid
		Hydrocyanic acid
		Hypericine
		Saffrole
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Zinc
		Cadmium
<b>2.11.3</b>	<b>GELATIN</b>	<b>General Parameters</b>
		Gelatin shall be purified product obtained by partial hydrolysis of collagen, derived from the skin, white connective tissues and bones of animals. It

Std. Nos.	Categories	Parameters
		shall have very slight odour and taste but not objectionable which is characteristic and boluillon like.
		Physical examination for extraneous matter (living insects , moulds, dead insects, insect fragments and rodent contamination(hair, excreta)) visible to the naked eye
		Test for added Natural colours  (Curcumin, Riboflavin, Chlorophyll, Beta carotene, Carotene(Natural extract),Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Ethyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours(Plain), Caramel colours(Ammonium Sulphite process)
		Test for synthetic colors  (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		<b>Quality Parameters</b>
		Moisture
		Total ash
		Sulphur dioxide
		Nitrogen
		<b>Naturally occurring Toxic Substances</b>
		Aflatoxin
		Agaric acid
		Hydrocyanic acid
		Hypericine
		Saffrole
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Zinc
		Cadmium
		Chromium
2.11.4	SILVER LEAF (CHAND-KI-	<b>General Parameters</b>

Std. Nos.	Categories	Parameters
	WARQ)	
		Silver Leaf food grade-shall be in the form of sheets, free from creases and folds and shall contain not less than 99.9 per cent of silver.
		Physical examination for creases and folds
		<b>Quality Parameters</b>
		Test for Silver
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Zinc
		Cadmium
2.11.5	PAN MASALA	<b>General Parameters</b>
		Pan Masala means the food generally taken as such or in conjunction with Pan. It may contain;—Betelnut, lime, coconut, catechu, saffron, cardamom, dry fruits, mulethi, sabnermusa, other aromatic herbs and spices, sugar, glycerine, glucose, permitted natural colours, menthol and non prohibited flavours
		Physical examination for extraneous matter (living insects , moulds, dead insects, insect fragments and rodent contamination(hair, excreta)) visible to the naked eye
		Test for Coal Tar colouring matters.
		Test for Nicotine
		Test for Artificial sweeteners (Saccharin, Acesulfame-K, Aspartame, Sucralose, Neotame)
		Test for Magnesium carbonate
		<b>Quality Parameters</b>
		Total ash
		Ash insoluble in dilute HCl acid
		<b>Naturally occurring Toxic Substances</b>
		Aflatoxin
		Agaric acid
		Hydrocyanic acid
		Hypericine
		Saffrole
		<b>Metal Contaminants</b>
		Lead

Std. Nos.	Categories	Parameters
		Copper
		Arsenic
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Zinc
		Cadmium
<b>2.11.6</b>	<b>LOW AND HIGH FAT COCOA POWDER</b>	<b>General Parameters</b>
		Low and high fat cocoa powder means the powder which is the partially defatted product derived from the cocoa bean the seed of <i>Theobroma cocoa L.</i>
		Physical examination for extraneous matter (living insects , moulds, dead insects, insect fragments and rodent contamination (hair, excreta), fungus infestation) visible to the naked eye
		Test for Rancidity
		Test for antioxidants (BHA, TBHQ)
		Artificial flavor
		Test for preservatives: Sulphur di oxide (SO <sub>2</sub> )
		Test for preservatives: Benzoic acid, sodium and potassium benzoate
		Test for preservative : Sorbic acid and its Calcium,Sodium, Potassium Salts (Calculated as sorbic acid)
		Test for added Natural colours (Curcumin, Riboflavin,Chlorophyll, Beta carotene, Carotene(Natural extract),Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Canthaxanthin, Caramel colours(Plain), Caramel colours(Ammonium Sulphite process)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		<b>Quality Parameters</b>
		Total ash
		Ash insoluble in dilute HCl
		Alkalinity of total ash
		Cocoa butter
		(i) for low fat
		(ii) for high fat
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic

Std. Nos.	Categories	Parameters
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Zinc
		Cadmium
		<b>Naturally occurring Toxic Substances</b>
		Aflatoxin
		Agaric acid
		Hydrocyanic acid
		Hypericine
		Saffrole
		<b>Pesticides</b> <b>Cocoa beans are seeds of the fruit of the <i>Theobroma cacao</i> tree.</b> <b>Pesticides limits of fruit applied</b>
		Aldrin, dieldrin (the limits apply to aldrin and dieldrin singly or in any combination and are expressed as dieldrin)
		Chlordane (residue to be measured as cis plus trans chlordane)
		D.D.T. (The limits apply to D.D.T., D.D.D. and D.D.E. singly or in any combination)
		Dichlorvos (content of di- chloroacetaldehyde (D.C.A.) be reported where possible)
		Dicofol
		Dimethoate (residue to be determined as dimethoate and expressed as dimethoate)
		Endosulfan (residues are measured and reported as total of endosulfan A and B and endosulfan-sulphate)
		Fenitrothion
		Inorganic bromide (determined and expressed as total bromide from all sources)
		Hexachlorocycle hexane and its Isomers
		(a) Alfa ( $\alpha$ ) Isomer:
		(b) Beta ( $\beta$ ) Isomer :
		(c) Gamma ( $\gamma$ ) Isomer (Known as Lindane)
		(d) Delta ( $\delta$ ) Isomer
		Malathion (Malathion to be determined and expressed as combined residues of malathion and malaaxon)
		Parathion (Combined residues of parathion and paraoxon to be determined and expressed as parathion)
		Parathion methyl (combined residues of parathion methyl and its oxygen analogue to be determined and expressed asparathion methyl)

Std. Nos.	Categories	Parameters
		Phosphamidon residues (expressed as the sum of phosphamidon and its desethyl derivative)
		Pyrethrins (sum of pyrethrins I & II and otherstructurally related insecticide Ingredients of pyrethrum)
		Chlorobenzilate
		Chlorpyrifos
		2,4D
		Ethion (Residues to bedetermined as ethion andlts oxygen analogueand expressed as ethion)
		Formothion (Determined as dinethoate and its oxygen Analogue and expressed as dimethoate except incase of citrus fruits where it is to be determined as formothion)
		Monocrotophos
		Paraquat Dichloride (Determined as Paraquat cations)
		Phosalone
		Trichlorfon
		Thiometon (Residues determined as thiometon its sulfoxide and sulphone expressed as thiometon)
		Carbendazim
		Benomyl
		Captan
		Carbofuran (sum of carbofuran and 3-hydroxy carbofuran expressed as carbofuran)
		Copper Oxychloride (determined as copper)
		Dithiocarbamates (the residue tolerance limit are determined and expressed as mg/CS2/kg and refer separately to the residues arising from any or each group of dithiocarbamates)
		Phorate (sum of Phorate, its oxygen analogue and their sulphoxides and sulphones,expressed as phorate)
<b>2.11.7</b>	<b>CAROB POWDER</b>	<b>General Parameters</b>
		Carob powder means the powder obtained from the roasted pods of carob (fibbled carob) of <i>Ceratonia Siliqua (L)</i> Taub. (fam. Leguminosae.
		Physical examination for extraneous matter (living insects , moulds, dead insects, insect fragments and rodent contamination (hair, excreta)) visible to the naked eye
		Physical examination for husk
		Test for Rancidity and obnoxious flavor.
		Test for added Natural colours (Curcumin, Riboflavin,Chlorophyll, Beta carotene, Carotene(Natural extract),Annatto extract (Bixin), Beta apo-8 carotenal, Methyl ester of Beta apo-8 carotenoic acid, Canthaxanthin,

Std. Nos.	Categories	Parameters
		Caramel colours(Plain), Caramel colours(Ammonium Sulphite process)
		Test for synthetic colors (Ponceau 4R, Carmoisine, Erythrosine, Tartrazine, Sunset Yellow FCF, Indigo carmine, Brilliant blue FCF, Fast green FCF )
		Artificial flavor
		Test for preservatives: Sulphur di oxide (SO <sub>2</sub> ), Benzoic acid and its salts, sorbic acid and its salts
		Test for antioxidants (BHA, TBHQ)
		Test for artificial sweetener(Saccharin, Acesulfame-K, Aspartame, Sucralose, Neotame)
		<b>Quality Parameters</b>
		Total ash
		Acid insoluble matter
		Tannin content
		<b>Metal Contaminants</b>
		Lead
		Copper
		Arsenic
		Mercury
		Methyl Mercury calculated as the element
		Tin
		Zinc
		Cadmium
		<b>Naturally occurring Toxic Substances</b>
		Aflatoxin
		Agaric acid
		Hydrocyanic acid
		Hypericine
		Saffrole
		<b>Pesticides</b> <b><i>Ceratonia siliqua</i> is a legume. Insecticide residue of milled grains applied</b>
		Aldrin, dieldrin (the limits apply to aldrin and dieldrin singly or in any combination and are expressed as dieldrin)
		Carbaryl
		Chlordane (residue to be measured as cis plus trans chlordane)
		Diazinon
		Dichlorvos (content of di- chloroacetaldehyde (D.C.A.) be reported where possible)
		Fenitrothion
		Heptachlor (combined residues of heptachlor and its epoxide to be determined and expressed Milled as Heptachlor)

Std. Nos.	Categories	Parameters
		Hydrogen cyanide
		Hydrogen phosphide
		Inorganic bromide (determined and expressed as total bromide from all sources)
		Hexachlorocycle hexane Gamma (Gamma) Isomer (Known as Lindane)
		Malathion (Malathion to be determined and expressed as combined residues of malathion and malaoxon)
		Chlorienvinphos
		Pyrethrins (sum of pyrethrins I & II and structurally related insecticide Ingredients of pyrethrum)
		Phosphamidon residues (expressed as the sum of phosphamidon and its desethyl derivative)
		Chlorpyrifos
		2,4D
		Ethion (Residues to be determined as ethion Tea And Its oxygen analogue and expressed as ethion)
		Monochrotophos
		Paraquat Dichloride (Determined as Paraquat cations)
		Trichlorfon
		Thiometon (Residues determined as thiometon its sulfoxide and sulphone expressed as thiometon)
		Decamethrin / Deltamethrin
		Carbendazim
		Benomyl
		Carbofuran (sum of carbofuran and 3-hydroxy carbofuran expressed as carbofuran)
		Decamethrin / Deltamethrin
		Fenthion (sum of fenthion, its oxygen analogue and their sulphoxides and sulphones expressed as fenthion)
		Dithiocarbamates (the residue tolerance limit are determined and expressed as mg/CS <sub>2</sub> /kg and refer separately to the residues arising from any or each group of dithiocarbamates)
		Phenthoate
		Phorate (sum of Phorate, its oxygen analogue and their sulphoxides and sulphones, expressed as phorate)
		Pirimiphos-methyl

**\*Products should be free from all adulterants .**