National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : REGIONAL ANALYTICAL LABORATORY, KAKKANAD, KOCHI, ERNAKULAM, KERALA, INDIA

Accreditation Standard ISO/IEC 17025:2017

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S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
Permanent Facility				
1	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Ice Lollies or Edible Ices	Total Sugars expressed as Sucrose	FSSAI manual for analysis of beverages (Coffee, Tea, Cocoa, Chicory),Sugar and sugar products and confectionery products. Method No.Part D 2
2	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Dates	Moisture	FSSAI Manual of methods of analysis of fruits & vegetable product
3	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Tomato sauce, culinary paste/ sauce, chilli sauce, Fruit & vegetable sauces, Soyabean sauce, Ginger paste,vegetable juices,tomato juice	Total Soluble Solids on salt free basis.	FSSAI Manual of Analysis of Fruit and Vegetable products,Method No:1.6
4	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Atta,Fortified atta,Maida,Fortified Maida,Semolina(suji,rava), Protein rich atta, Protein rich Maida, Besan	Moisture	FSSAI manual of methods of analysis Cereals&Cereal products Method No 2.0
5	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Atta,Fortified atta,Maida,Fortified Maida,Semolina(suji,rava),Protein rich atta,Protein rich Maida,Besan	Ash insoluble in Dil. HCl (on dry basis)	FSSAI manual of methods of analysis Cereals&Cereal products Method No 8.3
6	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Atta,Fortified atta,Maida,Fortified Maida,Semolina(suji,rava),Protein rich atta,Protein rich Maida,Besan	Total Ash (on dry basis)	FSSAI manual of methods of analysis Cereals&Cereal products Method No 8.2
7	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Atta,Fortified atta,Maida,Fortified Maida,Semolina(suji,rava),Protein rich atta,Protein rich Maida,Besan, Corn flour / Custard powder /Corn Flakes, Infant foods, Malted milk food / Malt based food, Rice Powder, Processed cereal based complimentary food,Milk cereal based complimentary food,	Dirt & Extraneous matter	IS 4706 Part1
8	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Atta,Fortified Atta,Maida,Fortified Maida,Semolina(Suji,Rava),Protein rich Atta,Protein rich Maida,Malt based food,malted milk food.	Alcoholic Acidity(with 90% alcohol)expressed as H2SO4 (on dry weight basis)	FSSAI Manual of Methods of analysis of Cereals and Cereal products, Method No: 8.5
9	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Atta,Fortified Atta,Maida,Fortified Maida,Semolina(Suji,Rava),Protein rich Atta,Protein rich Maida.	Gluten on dry wt.basis.	FSSAI Manual of Methods of analysis of Cereals and Cereal products, Method No: 8.4 , IS 1009 :
10	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Beverage-Non-alcoholic (carbonated, caffeinated & Non-carbonated water based flavored drink.),Wines,Coffee,Tea,Herbal infusion,Hot ceral and grain beverages,Cedar and perry,Mead,Alcoholic beverage.	Benzoate as Benzoic acid	In-house validated method-RALE/FS(QC)/SOP/01.01.2019
11	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Beverage-Non-alcoholic (carbonated, caffeinated & Non-carbonated water based flavored drink.)Wines,Coffee,Tea,Herbal infusion,Hot ceral and grain beverages,Cedar and perry,Mead,Alcoholic beverage.	Sorbate as Sorbic acid	In-house validated method-RALE/FS(QC)/SOP/01.01.2019

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12	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Beverages, Canned fish	Synthetic food colour Erythrosine (CI45430) Carmoisine (CI14720) Ponceau (CI 16255) Sunset Yellow FCF (CI 15985) Tartrazine (CI 19140) Brilliant Blue FCF (CI 42090)	In-house validated method:- RALE/FS(T)SOP-01.7/Issue No. 01/date 01.04.2015
13	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Biscuits	Ash insoluble in Dil.HCl(on dry basis)	FSSAI manual of methods of analysis Cereals&Cereal products Method No 14.4
14	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Biscuits	Moisture	FSSAI Manual of methods of analysis Cereals&Cereal products Method No 14.3
15	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Biscuits & Bread	Synthetic food colour Erythrosine (CI45430) Carmoisine (CI14720) Ponceau (CI 16255) Sunset Yellow FCF (CI 15985) Tartrazine (CI 19140) Brilliant Blue FCF (CI 42090) Allura Red (CI 16035)	In-house validated method:- RALE/FS(T)SOP-01.7/Issue No. 01/date 01.04.2015
16	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Biscuits , Bread,Nuts,Dry Fruits And Dates	Mould Growth	Visual (Qualitative)
17	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Black pepper(whole)	Test for Mineral Oil	FSSAI manual 10. Manual of methods of analysis of foods, Beverages, Sugar & Confectionery Products Method No. 19.0
18	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Bread	Alcoholic acidity(ml N NaOH /100 gm of dried substance)	FSSAI Manual of Methods of analysis of Cereals and Cereal products, Method No: 15.3
19	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Bread	Ash insoluble in Dil.HCl(on dry basis)	FSSAI manual of methods of analysis Cereals&Cereal products Cl 15.4
20	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Bread	Moisture	FSSAI manual of methods of analysis Cereals&Cereal products Cl 15.2
21	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Bread, Biscuits,Cake,Cookies,Cracker & Pies, Bread & Roll,Rusk,Candy,chocolate and cocoa products,chewing gum.	Benzoate as Benzoic acid	Inhouse validated method- RALE/FS(QC)/SOP/01.01.2019
22	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Bread, Biscuits,Cake,Cookies,Cracker & Pies, Bread & Roll,Rusk,Candy,chocolate and cocoa products,chewing gum.	Sorbate as Sorbic acid.	In-house validated method- RALE/FS(QC)/SOP/01.01.2019

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23	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Brewed Vinegar	Total Ash	FSSAI Manual of Analysis of Fruit and Vegetable products,Method No:14.4
24	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Brewed Vinegar	Total Solids	FSSAI Manual of Analysis of Fruits and Vegetable products,Method No:14.3
25	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Cane Jaggery	Acid insoluble ash	FSSAI manual for analysis of beverages (Coffee, Tea, cocoa, Chicory),Sugar and sugar products and confectionery products. Method No.Part A.8.1:
26	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Cane Jaggery	Free reducing sugar	FSSAI manual for analysis of beverages (Coffee, Tea, cocoa, Chicory),Sugar and sugar products and confectionery products. Method No.Part A-.6.4:
27	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Cane Jaggery	Moisture	FSSAI manual for analysis of beverages (Coffee, Tea, Cocoa,Chicory),Sugar and sugar products and confectionery products. Method No.Part A.9.1:
28	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Cane Jaggery	Sucrose	FSSAI manual for analysis of beverages (Coffee, Tea, cocoa, Chicory),Sugar and sugar products and confectionery products. Method No.Part A-.6.4
29	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Cane Jaggery	Sulphated ash	FSSAI manual for analysis of beverages (Coffee, Tea, cocoa, Chicory),Sugar and sugar products and confectionery products. Method No.Part A.10 :
30	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Cane Jaggery	Total sugar	FSSAI manual for analysis of beverages (Coffee, Tea, Cocoa, Chicory),Sugar and sugar products and confectionery products. Method No.Part A.6.4:

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31	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Cardamom, Chillies, Cinnamon, Cassia,Nutmeg, Cloves, Coriander, Cumin, Fennel, Fenugreek, Mustard, Pepper , Turmeric	Synthetic food colour Erythrosine (CI45430) Carmoisine (CI14720) Ponceau (CI 16255) Sunset Yellow FCF (CI 15985) Tartrazine (CI 19140) Brilliant Blue FCF (CI 42090)	In-house validated method:- RALE/FS(T)SOP-01.7/Issue No. 01/date 01.04.2015
32	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Cardamom,Chilies,Cinnamon,Cassia,Cloves,Coriander,Cumin,Fennel,Fenugreek,Mustard,Pepper,Turmeric	Extraneous Matter	FSSAI Lab manual No:10,Method No:002
33	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Chewing gum and bubble gum	Acid Insoluble ash	FSSAI manual for analysis of beverages (Coffee, Tea, Cocoa, Chicory),Sugar and sugar products and confectionery products. Method No.Part B-3
34	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Chewing gum and bubble gum	Gum	FSSAI manual for analysis of beverages (Coffee, Tea, Cocoa, Chicory),Sugar and sugar products and confectionery products. Method No.Part B-7:
35	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Chewing gum and bubble gum	Moisture	FSSAI manual for analysis of beverages (Coffee, Tea, Cocoa, Chicory),Sugar and sugar products and confectionery products. Method No.Part B-2:
36	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Chewing gum and bubble gum	Reducing sugar (as Dextrose)	FSSAI manual for analysis of beverages (Coffee, Tea, Cocoa, Chicory),Sugar and sugar products and confectionery products. Method No.Part B-8:
37	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Chewing gum and bubble gum	Sucrose	FSSAI manual for analysis of beverages (Coffee, Tea, Cocoa, Chicory), Sugar and sugar products and confectionery products. Method No.Part B-8:
38	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Chewing gum and bubble gum	Sulphated ash	FSSAI manual for analysis of beverages (Coffee, Tea, cocoa, Chicory),Sugar and sugar products and confectionery products. Method No.Part B-4:

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39	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Chilli powder, Pepper powder	Crude fibre	FSSA Manual of Methods of analysis of foods Spices Herbs and Condiments,No: 10.014
40	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Chilly powder Coriander powder Turmeric powder	Extraneous starch	FSSAI Lab manual-10, Method No: 2
41	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Chilly powder Coriander powder Turmeric powder	Non-volatile ether extract	FSSAI Manual of Methods of Analysis of Spices & Condiments,Method No:9
42	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Chilly powder Coriander powder Turmeric powder	Synthetic food colour Synthetic food colour Erythrosine (CI45430) Carmoisine (CI14720) Ponceau (CI 16255) Sunset Yellow FCF (CI 15985) Tartrazine (CI 19140) Brilliant Blue FCF (CI 42090)	In-house validated method:- RALE/FS(T)SOP-01.7/Issue No. 01/date 01.04.2015
43	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Chilly powder Coriander powder Turmeric powder	Total ash	FSSAI Manual of Methods of Analysis of Spices & Condiments,Method No:4
44	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Chocolate	Acid Insoluble ash(on moisture, fat and sugar free basis)	FSSAI manual for analysis of beverages (Coffee, Tea, Cocoa, Chicory),Sugar and sugar products and confectionery products. Method No.Part C-6:
45	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Chocolate	Total Fat (on dry basis)	FSSAI manual for analysis of beverages (Coffee, Tea, Cocoa, Chicory),Sugar and sugar products and confectionery products. Method No.Part C-3:
46	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Cocoa Powder	Acid Insoluble Ash (on moisture and fat free basis)	FSSAI manual for analysis of beverages (Coffee, Tea, Cocoa, Chicory),Sugar and sugar products and confectionery products. Method No.-4.5:
47	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Cocoa Powder	Alkalinity of total ash as K2O by weight (on moisture and fat free basis)	FSSAI manual for analysis of beverages (Coffee, Tea, Cocoa, Chicory),Sugar and sugar products and confectionery products. Method No.4.6

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48	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Cocoa Powder	Cocoa butter (on dry basis)	FSSAI manual for analysis of beverages (Coffee, Tea, Cocoa, Chicory),Sugar and sugar products and confectionery products. Method No.4.3
49	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Cocoa Powder	Crude fibre (on moisture and fat free basis	IS 1164
50	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Cocoa Powder	Moisture	FSSAI manual for analysis of beverages (Coffee, Tea, Cocoa, Chicory),Sugar and sugar products and confectionery 4.2
51	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Coconut Oil	Arachidic acid(C 20)	AOCS Official Method, Ce 2-66
52	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Coconut Oil	Capric Acid(C 10:0)	AOCS Official Method, Ce 2-66
53	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Coconut Oil	Caproic acid(C 6:0)	AOCS Official Method, Ce 2-66
54	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Coconut Oil	Caprylic Acid(C 8:0)	AOCS Official Method, Ce 2-66
55	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Coconut Oil	Cis-11-Eicosenoic Acid(C 20:1n9)	AOCS Official Method, Ce 2-66
56	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Coconut Oil	Lauric Acid(C 12:0)	AOCS Official Method, Ce 2-66
57	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Coconut Oil	Linoleic Acid(C 18:2n6c)	AOCS Official Method, Ce 2-66
58	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Coconut Oil	Myristic Acid(C 14:0)	AOCS Official Method, Ce 2-66
59	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Coconut Oil	Oleic Acid(C 18:1n9c)	AOCS Official Method, Ce 2-66

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60	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Coconut Oil	Palmitic Acid(C 16:0)	AOCS Official Method, Ce 2-66
61	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Coconut Oil	Stearic Acid(C 18 :0)	AOCS Official Method, Ce 2-66
62	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Coconut Oil, Virgin coconut oil	Polenske Value	Manual of Methods of Analysis of Oils & Fats ,Method No. FSSAI 02.011
63	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Coconut oil, virgin coconut oil, cotton seed oil, ground nut oil, Linseed oil, Mustard oil, ,poppy seed oil, safflower seed oil ,taramira oil, til oil, Niger seed oil,soyabean oil, maize oil, water melon seed oil, palm oil palmolein oil, palm kernel oil, sunflower seed oil, rice bran oil, , partially hydrogenated soya bean oil.	Butyro Refractometer reading at 40°C, at 20°C and at 50°C	Manual of Methods of Analysis of Oils & Fats Method No: FSSAI 02.003
64	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Coconut oil, virgin coconut oil, cotton seed oil, ground nut oil, Linseed oil, Mustard oil, Olive oil[virgin, extra virgin ,refined, refined olive-pomace, olive pomace],poppy seed oil, safflower seed oil ,Itaramira oil, til oil, Niger seed oil,soyabean oil, maize oil, water melon seed oil, palm oil palmolein oil, palm kernel oil, sunflower seed oil, rice bran oil, blended edible vegetable oil, Avocado oil,Palm stearin,Palm kerne stearin Palm kernel olein,Palm Superolein,Chia oil,lpartially hydrogenated soya bean oil, margarine and fat spreads, Vanaspati.	Unsaponifiable matter	Manual of Methods of Analysis of Oils & Fats Method No: FSSAI 02.008
65	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Coconut oil, virgin coconut oil, cotton seed oil, ground nut oil, Linseed oil, Mustard oil, Olive oil[virgin, extra virgin ,refined, refined olive-pomace, olive pomace],poppy seed oil, safflower seed oil ,Itaramira oil, til oil, Niger seed oil,soyabean oil, maize oil, water melon seed oil, palm oil palmolein oil, palm kernel oil, sunflower seed oil, rice bran oil, blended edible vegetable oil, Avocado oil,Palm stearin,Palm kernel stearin Palm kernel olein,Palm Superolein ,Chia oil,lpartially hydrogenated soya bean oil,.	Iodine value	Manual of Methods of Analysis of Oils & Fats ,Method No. FSSAI 02.010
66	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Coconut oil, virgin coconut oil, cotton seed oil, ground nut oil, Linseed oil, Mustard oil, Olive oil[virgin, extra virgin ,refined, refined olive-pomace, olive pomace],poppy seed oil, safflower seed oil ,Itaramira oil, til oil, Niger seed oil,soyabean oil, maize oil, water melon seed oil, palm oil palmolein oil, palm kernel oil, sunflower seed oil, rice bran oil, blended edible vegetable oil, partially hydrogenated soya bean oil, margarine and fat spreads, Vanaspati.	Test for Cotton seed oil	Manual of Methods of Analysis of Oils & Fats Method No: FSSAI 02.014

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67	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Coconut oil, virgin coconut oil, cotton seed oil, ground nut oil, Linseed oil, Mustard oil, Olive oil[virgin, extra virgin ,refined, refined olive-pomace, olive pomace],poppy seed oil, safflower seed oil ,ltaramira oil, til oil, Niger seed oil,soyabean oil, maize oil, water melon seed oil, palm oil palmolein oil, palm kernel oil, sunflower seed oil, rice bran oil, blended edible vegetable oil, partially hydrogenated soya bean oil, margarine and fat spreads, Vanaspati.	Test for mineral oil	Manual of Methods of Analysis of Oils & Fats Method No: FSSAI 02.030
68	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Coconut oil, virgin coconut oil, cotton seed oil, ground nut oil, Linseed oil, Mustard oil, Olive oil[virgin, extra virgin ,refined, refined olive-pomace, olive pomace],poppy seed oil, safflower seed oil ,ltaramira oil, til oil, Niger seed oil,soyabean oil, maize oil, water melon seed oil, palm oil palmolein oil, palm kernel oil, sunflower seed oil, rice bran oil, blended edible vegetable oil, partially hydrogenated soya bean oil, margarine and fat spreads, Vanaspati.	Test for Sesame oil	Manual of Methods of Analysis of Oils & Fats Method No: FSSAI 02.013
69	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Coconut oil, virgin coconut oil, cotton seed oil, ground nut oil, Linseed oil, Mustard oil, Olive oil[virgin, extra virgin ,refined, refined olive-pomace, olive pomace],poppy seed oil, safflower seed oil ,ltaramira oil, til oil, Niger seed oil,soyabean oil, maize oil,Refines vegetable oils water melon seed oil, palm oil palmolein oil, palm kernel oil, sunflower seed oil, rice bran oil, blended edible vegetable oil, partially hydrogenated soya bean oil, margarine and fat spreads, Vanaspati.	Acid value	Manual of Methods of Analysis of Oils & Fats Method No: FSSAI 02.009:
70	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Coconut oil, virgin coconut oil, cotton seed oil, ground nut oil, Linseed oil, Mustard oil, Olive oil[virgin, extra virgin ,refined, refined olive-pomace, olive pomace],poppy seed oil, safflower seed oil ,taramira oil, til oil, Niger seed oil,soyabean oil, maize oil, water melon seed oil, palm oil , palmolein oil, palm kernel oil, sunflower seed oil, rice bran oil, , partially hydrogenated soya bean oil.	Saponification value	Manual of Methods of Analysis of Oils & Fats ,Method No. FSSAI 02.007
71	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Coconut oil, virgin coconut oil, cotton seed oil, ground nut oil, Linseed oil, Mustard oil, Olive oil[virgin, extra virgin ,refined, refined olive-pomace, olive pomace],poppy seed oil, safflower seed oil ,taramira oil, til oil, Niger seed oil,soyabean oil, maize oil, water melon seed oil, palm oil palmolein oil, palm kernel oil, sunflower seed oil, rice bran oil, , partially hydrogenated soya bean oil.	Refractive Index at 40°C, at 50°C and at 20°C	FSSAI manual of methods of analysis of foods, Oils and Fats Method No. FSSAI 02 .003
72	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Coriander(whole and powder)	Dead/Living Insects	Visual (Qualitative)
73	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Coriander(whole and powder)	Insect fragments	Visual (Qualitative)

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74	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Coriander(whole and powder)	Mould growth	Visual (Qualitative)
75	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Coriander(whole and powder)	Rodent Contamination	Visual (Qualitative)
76	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	corn flour	Total Ash	FSSAI Manual of methods of analysis of cereal & cereal product
77	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Corn Flour / Corn Flakes	Alcoholic acidity (with 90 per cent alcohol)(ml N NaOH /100 gm of dried substance)	FSSAI Manual of methods of analysis of Cereals & Cereal products, Method No. 15.3
78	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Corn flour / Custard powder /Corn Flakes	Moisture	FSSAI Manual of methods of analysis of cereal & cereal product
79	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Corn flour/ Custard Powder/Cornflakes	Ash Insoluble in dilute HCl	FSSAI Manual of methods of analysis of cereal & cereal product
80	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Cumin, Mustard, Pepper	Non Volatile Ether Extract (dry basis)	FSSAI MANUAL OF METHODS OF ANALYSIS, MANUAL NO: 10 SPICES & CONDIMENTS, METHOD NO:9.0
81	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Curd	Solid Not Fat	IS 12333 AOAC official Methods of Analysis 21st edition 990.21
82	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Curd	Total Solids	FSSAI Manual of methods of analysis of milk & milk products, Method No: 4.4
83	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Curd / Flavoured mlik	Milk Fat	FSSAI Manual of methods of analysis of milk & milk products Method No. 4.2
84	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Custard Powder/Cornflakes	Total Ash (Excluding Sodium Chloride)	FSSAI Manual of methods of analysis of cereal & cereal product
85	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Dates	Ash Insoluble in dilute HCl	IS 13846
86	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Dates	Blemished/Damaged Units	Visual (Qualitative)

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87	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Dates	Dead/ Living Insects	Visual (Qualitative)
88	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Dates	Extraneous matter	Visual (Qualitative)
89	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Dates	Insect fragments and rodent contamination	Visual (Qualitative)
90	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Desiccated coconut (grated and powder)	Total ash	IS 966,method No. C
91	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Desiccated coconut(grated and powder)	Acidity of extracted fat as lauric acid	IS 966,method No. F
92	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Desiccated coconut(Grated and powder)	Extraneous matter	Visual (Qualitative)
93	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Desiccated coconut(grated and powder)	Moisture	IS 966,method No. B
94	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Desiccated coconut(grated and powder)	Oil content	IS 966,method No. E
95	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Desiccated Coconut(grated and powder)	Synthetic food colour Erythrosine (CI45430) Carmoisine (CI14720) Ponceau (CI 16255) Sunset Yellow FCF (CI 15985) Tartrazine (CI 19140) Brilliant Blue FCF (CI 42090) Allura Red (CI 16035)	In-house validated method:- RALE/FS(T)SOP-01.7/Issue No. 01/date 01.04.2015
96	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Edible oils and Fats	Added colouring matter	Manual of Methods of Analysis of Oils & Fats ,Method No. FSSAI 02.046
97	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Flavoured milk	Solids Not Fat (SNF)	IS 12333 :AOAC official Methods of Analysis 21st edition 990.21

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98	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Food Grains(whole/Broken),Pulses(whole,shelled&split),Atta,Fortified atta,Maida,Fortified Maida,Semolina(suji,rava),Protein rich atta,Protein rich Maida,Besan, Corn flour / Custard powder /Corn Flakes, Macaroni products / Instant noodles, Rice Powder, Processed cereal based complimentary food,Milk cereal based complimentary food, Rolled oats, Infant foods, Malted milk food / Malt based food, Nuts,Dry Fruits And Dates	Synthetic food colour Synthetic food colour Erythrosine (CI45430) Carmoisine (CI14720) Ponceau (CI 16255) Sunset Yellow FCF (CI 15985) Tartrazine (CI 19140) Brilliant Blue FCF (CI 42090) Allura Red (CI 16035)	In-house validated method:- RALE/FS(T)SOP-01.7/Issue No. 01/date 01.04.2015
99	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Fruit jams, Soft drinks, Concentrates, Juices	Synthetic food colour Erythrosine (CI45430) Carmoisine (CI14720) Ponceau (CI 16255) Sunset Yellow FCF (CI 15985) Tartrazine (CI 19140) Brilliant Blue FCF (CI 42090) AlluraRed (CI 16035)	In-house validated method:- RALE/FS(T)SOP-01.7/Issue No. 01/date 01.04.2015
100	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Fruit juices, Fruit nectars, Fruit Beverage, Fruit Drink, RTS Beverages, Thermally processed fruit pulp, Puree, Sweetened fruit pulp, Fruit Paste, Soup powder, Fruit bar/Toffee/fruit ,Squashes, Crushes, Fruit syrup, Fruit sharbats, Barley water ,Cordial, Ginger cocktail, Synthetic sharbats /syrups, Murabba, Candied crystallized glazed fruits, Ketchup, Tomato sauce, culinary paste, Fruit & vegetable sauces, Soyabean sauce, carbonated fruit beverage/fruit drink, Jam, fruit jellies and marmalades, fruit cheese, dehydrated fruits, frozen fruits/fruit products, Fruit based beverage mix, Fruit chantey,, fresh fruits, fruit filling for pastries, cooked fruit, fruit juice concentrated,.Fruit flakes	Synthetic food colour Erythrosine (CI45430) Carmoisine (CI14720) Ponceau (CI 16255) Sunset Yellow FCF (CI 15985) Tartrazine (CI 19140) Brilliant Blue FCF (CI 42090) Allura Red (CI 16035)	In-house validated method:- RALE/FS(T)SOP-01.7/Issue No. 01/date 01.04.2015
101	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Fruit juices,Fruit nectars,Fruit Beverage,Fruit Drink,RTS Beverages,Thermally processed fruit pulp,Puree,Sweetened fruit pulp,Fruit Paste,Soup powder,Fruit bar/Toffee/fruit cereal flakes,Squashes,Crushes,Fruit syrup,Fruit sharbats,Barley water,Cordial,Ginger beer,Synthetic sharbats/syrups,Murabba,Candied crystallized glazed fruits,Ketchup,Tomato sauce,culinary paste,Fruit & vegetable sauces,Soyabean sauce,carbonated fruit beverage/fruit drink,Jam,fruit jellies and marmalades,fruit cheese,dehydrated fruits,frozen fruits/fruit products,Fruit based beverage mix.Fruit chantey,pickles,dried fruits,nuts & seeds,fresh fruits,fruit filling for pastries,cooked fruit,fruit juice concentrated,coated nuts,processed nuts.	Benzoate as Benzoic Acid.	Inhouse validated method- RALE/FS(QC)/SOP/01.01.2019

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102	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Fruit juices,Fruit nectars,Fruit Beverage,Fruit Drink,RTS Beverages,Thermally processed fruit pulp,Puree,Sweetened fruit pulp,Fruit Paste,Soup powder,Fruit bar/Toffee/fruit cereal flakes,Squashes,Crushes,Fruit syrup,Fruit sharbats,Barley water,Cordial,Ginger beer,Synthetic sharbats/syrups,Murabba,Candied crystallized glazed fruits,Ketchup,Tomato sauce,culinary paste,Fruit & vegetable sauces,Soyabean sauce,carbonated fruit beverage/fruit drink,Jam,fruit jellies and marmalades,fruit cheese,dehydrated fruits,frozen fruits/fruit products,Fruit based beverage mix.Fruit chantey,pickles,dried fruits,nuts & seeds,fresh fruits,fruit filling for pastries,cooked fruit,fruit juice concentrated,coated nuts,processed nuts.	Sorbate as Sorbic acid	Inhouse validated method-RALE/FS(QC)/SOP/01.01.2019
103	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Fruit Pulp other than Mango	Total soluble solid (m/m) exclusive of added sugar	FSSAI manual of methods of analysis of foods, Fruits and Vegetable products. Method No. 3.5
104	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Ghee	Added colouring matter	FSSAI Manual of methods of food analysis of Oils & Fats, Method No. 02.030
105	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Ghee	Arachidic acid (C20:0)	AOAC 21st Edition,chapter 41,Method 969.33
106	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Ghee	Baudouin's Test	FSSAI Manual of methods of analysis of Milk & Milk products, Method No. 13.6
107	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Ghee	Behenic acid (C22:0)	AOAC 21st Edition,chapter 41,Method 969.33
108	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Ghee	Butyro Refractometer Reading	FSSAI Manual of methods of analysis of Oils &Fats, Method No. 02.003
109	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Ghee	Free Fatty Acid	FSSAI Manual of Methods of analysis of Milk and Milk products, Method No: 13.4
110	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Ghee	Heptadecanoic acid (C17:0)	AOAC 21st Edition,chapter 41,Method 969.33
111	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Ghee	Mineral Oil	FSSAI Manual of methods of analysis of Milk & Milk products, 2016, Method No. 13.7 (HOLDE'S TEST)

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112	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Ghee	Moisture	FSSAI Manual of Methods of analysis of Milk and Milk products, Method No: 13.2.
113	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Ghee	Refractive Index	FSSAI Manual of methods of analysis of Oils &Fats, Method No. 02.003.
114	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Ghee	Reichert Meissel value	FSSAI Manual of Methods of analysis of Milk and Milk products, Method No: 13.5
115	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Gingelly Oil	Arachidic Acid(C20:0)	AOCS Official Method,Ce 2-66
116	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Gingelly Oil	Behenic acid(C 22:0)	AOCS Official Method,Ce 2-66
117	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Gingelly Oil	Cis-10-heptadecanoic acid(C17:1)	AOCS Official Method, Ce 2-66
118	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Gingelly Oil	Cis-11-Eicosenoic acid(C20:1n9)	AOCS Official Method,Ce 2-66
119	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Gingelly Oil	Gamma linolenic acid (C18:3n6)	AOCS Official Method, Ce 2-66
120	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Gingelly Oil	Heptadecanoic Acid(C17:0)	AOCS Official Method, Ce 2-66
121	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Gingelly Oil	Lignoseric acid(C 24:0)	AOCS Official Method,Ce 2-66
122	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Gingelly Oil	linolenic acid(c18:3n3)	AOCS Official Method, Ce 2-66
123	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Gingelly Oil	Myristic Acid(C14:0)	AOCS Official Method, Ce 2-66
124	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Gingelly Oil	Oleic acid (C18:1n9c)	AOCS Official Method, Ce 2-66
125	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Gingelly Oil	Palmitic Acid(C16:0)	AOCS Official Method, Ce 2-66

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126	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Gingelly Oil	Palmitoleic Acid(C16:1)	AOCS Official Method, Ce 2-66
127	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Gingelly Oil	Stearic Acid(C18:0)	AOCS Official Method, Ce 2-66
128	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Ground Nut	Moisture	FSSAI Manual of methods of analysis of fruits & vegetable products ,Method No:20.1
129	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Gur / Jaggery	As insoluble in dil.Hcl.	FSSAI Manual of Analysis of Beverages,Sugar and Sugar products & Confectionery products. Part A. Method No:8.1
130	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Gur / Jaggery	Moisture	FSSAI Manual of methods of analysis of beverages,sugar and sugar products,Part A,9.1
131	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Gur / Jaggery	Sucrose	FSSAI Manual of Analysis of Beverages,Sugar and Sugar products & Confectionery products. Part A. Method No: 6.4
132	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Gur / Jaggery	Total Ash	FSSAI Manual of Analysis of Beverages,Sugar and Sugar products & Confectionery products. Part A. Method No: 6.7
133	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Gur / Jaggery	Total Sugar	FSSAI Manual of Analysis of Beverages,Sugar and Sugar products & Confectionery products. Part A. Method No: 6.4
134	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Gur/ Jaggery, Cane Gur / Cane Jaggery	Synthetic colour (Non permitted) Rhodamine B (CI 45170)	In-house validated method:- RALE/FS(T)SOP-01.7/Issue No. 01/date 01.04.2015
135	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Honey	Extraneous matter	Visual (Qualitative)
136	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Honey	Insects and Insect fragments	Visual (Qualitative)

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137	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Honey	Moisture	FSSAI manual of methods of analysis of foods,Part A, Beverages, Sugar & Confectionery Products Method No. 6.2
138	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Honey	Mould	Visual (Qualitative)
139	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Honey	Sucrose	FSSAI Manual of Analysis of Beverages,Sugar and Sugar products & Confectionery products. Part A. Method No: 6.4
140	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Honey	Synthetic food colour Erythrosine (CI45430) Carmoisine (CI14720) Ponceau (CI 16255) Sunset Yellow FCF (CI 15985) Tartrazine (CI 19140) Brilliant Blue FCF (CI 42090) Allura Red (CI 16035)	In-house validated method:- RALE/FS(T)SOP-01.7/Issue No. 01/date 01.04.2015
141	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Honey	Total Ash	FSSAI manual of methods of analysis of foods,Part A, Beverages, Sugar & Confectionery Products Method No. 6.7
142	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Honey,Honey product	Acidity	FSSAI Manual of Analysis of Beverages,Sugar and Sugar products & Confectionery products. Part A. Method No: 6.8
143	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Honey,Honey products	Fructose/Glucose ratio	FSSAI Manual of Analysis of Beverages,Sugar and Sugar products & Confectionery products. Part A. Method No: 6.5
144	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Honey,Honey products.	Total Sugar	FSSAI Manual of Analysis of Beverages,sugar and sugar products& confectionery products,Part.A,Method No:6.4
145	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Infant milk substitute / Infant formula / Milk cereal based complimentary food / Processed cereal based complimentary food/ Milk powder	Ash Insoluble in dilute HCl	FSSAI Manual of methods of analysis of milk & milk product Method No. 10.8

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146	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Infant milk substitute / Infant formula / Milk cereal based complimentary food / Processed cereal based complimentary food/ Milk powder	Total Ash	FSSAI Manual of methods of analysis of milk & milk products Method No. 10.7
147	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Infant milk substitute / Infant formula / Milk cereal based complimentary food /Processed cereal based complimentary food/ Milk powder	Moisture	FSSAI Manual of methods of analysis of milk & milk product Method No.10.2
148	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Iodised Salt	Iodine content(on dry basis)	IS 7224,Annexure H
149	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Iodised Salt	Moisture	IS 7224
150	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Iodised Salt	Sodium Chloride (on dry wt. basis)	IS 7224,Annexure D
151	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Iodized salt(including common salt)	Matter insoluble in water	IS:7224
152	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Iodized salt(including common salt)	Matter soluble in water other than sodium chloride	IS:7224
153	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Jams, Jellies and mermalades, Fruit bar.	Total Soluble Solids	FSSAI manual of methods of analysis of foods, Fruits and Vegetable products. Method No. 1.6
154	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Juices, Squashes, Fruit Syrups or Sharbats, Ketchups, Sauces, Fruit Beverages, Synthetic syrups or Sharbats, Jam, jellies	Acidity	FSSAI manual of methods of analysis of foods, Fruits & Vegetable Products Method No. 2.4
155	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Juices,Squashes,Crushes,fruit nectars,fruit beverages, fruit drink,readt to serve fruit beverages,Fruit syrup,Fruit sharbats,Barley water,Cordial,Ginger cocktail,Murabba,synthetic syrup/ sharbath,mango pulp	Total Soluble Solids	FSSAI manual of methods of analysis of foods, Fruits & Vegetable Products Method No. 1.6
156	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Khandasari sugar,Bura sugar,Misri,Cube sugar	Ash insoluble in dil.Hcl.	FSSAI Manual of Analysis of Beverages,Sugar and Sugar products & Confectionery products. Part A. Method No: 8.1
157	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Liquid Milk: Raw/Sterilized/Pasteurized/Flavored/Toned/Double Toned/Standardized/ Recombined/Condensed/Sweetened/Full cream/Skimmed/Evaporated/Sweetened Condensed	Total Solids	IS 12333

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158	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Low Fat Frozen dessert, Medium Fat Frozen dessert High Fat Frozen dessert	Total Protein	AOAC official Methods of Analysis 21st edition 930.33
159	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Low Fat Frozen dessert, Medium Fat Frozen dessert High Fat Frozen dessert	Total Solids	FSSAI Lab Manual 1, Method No:7.2
160	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Low Fat Frozen dessert, Medium Fat Frozen dessert, High Fat Frozen dessert	Total Fat	FSSAI Manual for analysis of milk and milk products Method No.7.4
161	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Low Fat Ice cream, Medium Fat Ice cream, High Fat Ice cream	Milk Fat	FSSAI Manual for analysis of milk and milk products Method No.7.4
162	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Low Fat Ice cream, Medium Fat Ice cream, High Fat Ice cream	Milk Protein	AOAC official Methods of Analysis 21st edition 930.33
163	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Low Fat Ice cream, Medium Fat Ice cream, High Fat Ice cream	Total Solids	FSSAI Manual for analysis of milk and milk products Method No.7.2
164	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Macaroni products / Instant noodles	Ash Insoluble in dilute HCl	IS 1485
165	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Macaroni products / Instant noodles	Moisture	IS 1485
166	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Malted milk food / Malt based food	Ash Insoluble in dilute HCl	IS 1806
167	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Malted milk food / Malt based food	Moisture	IS 1806
168	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Malted milk food / Malt based food	Total Ash	IS 1806
169	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Malted milk food,Malt based food.	Protein	AOAC official Methods of Analysis 21st edition 930.33
170	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Margarine and Fat spread	common salt	IS 12451, Method A-3
171	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Margarine and Fat spread	Fat	IS 12451- Method A-3

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172	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Margarine and fat spread	Melting point of extracted fat	IS 12451
173	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Margarine and Fat spread	Moisture	IS 12451- Method A-2
174	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Milk	Clot On Boiling (COB Test)	IS 1479 Part I, Method No.8
175	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Milk	Phosphatase test	FSSAI Manual of methods of analysis of Milk & Milk products, Method No. 1.3.1
176	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Milk	Test for added urea	FSSAI manual of methods of analysis Milk& Milk products , Method No. 1.2.4.1
177	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Milk	Total Solids	IS 12333
178	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Milk, cereal based complimentary food/Processed cereal based complimentary food.	Protein	AOAC official Methods of Analysis 21st edition 930.33
179	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Milk/Curd/Flavoured milk	Test for Formalin	FSSAI manual of methods of analysis Milk& Milk products ,Method No 1.2.17.1
180	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Misri	Total Ash	FSSAI Manual of Analysis of Beverages,Sugar and Sugar products & Confectionery products. Part A. Method No: 6.7
181	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Mustard oil	Arachidic acid (C20:0)	AOCS Official Method, Ce 2-66
182	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Mustard oil	Behenic acid(C22:0)	AOCS Official Method, Ce 2-66
183	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Mustard oil	cis-11,14-eicosadienoic acid(c21:2)	AOCS Official Method, Ce 2-66
184	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Mustard oil	cis-11-eicosenoic acid(c20:1)	AOCS Official Method, Ce 2-66

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185	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Mustard oil	cis-5,8,11,14,17-Eicosapentanoic acid (C20:5n3)	AOCS Official Method, Ce 2-66
186	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Mustard oil	Erucic acid(c22:1n9)	AOCS Official Method, Ce 2-66
187	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Mustard oil	Gamma-linolenic acid(c18:3n3)	AOCS Official Method, Ce 2-66
188	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Mustard oil	lignoceric acid(c24:0)	AOCS Official method ,Ce 2-66
189	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Mustard oil	linoleic acid(c18:2n6c)	AOCS Official method Ce 2-66
190	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Mustard oil	linolenic acid(c18:3n3)	AOCS Official method Ce 2-66
191	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Mustard oil	myristic acid(c14:0)	AOCS Official method Ce 2-66
192	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Mustard oil	nervonic acid(c24:1)	AOCS Official method Ce 2-66
193	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Mustard oil	oleic acid(c18:1n9c)	AOCS Official method Ce 2-66
194	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Mustard oil	Palmitic acid(c16:0)	AOCS Official method Ce 2-66
195	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Mustard oil	Palmitoleic acid(c16:1)	AOCS Official method Ce 2-66
196	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Mustard oil	Stearic acid(c18:0)	AOCS Official method Ce 2-66
197	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Nuts,biscuits,dry fruits	Acidity of extracted fat as oleic acid	IS 1011
198	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Olive Oil	Arachidic acid (C20:0)	AOCS Official Method , Ce 2-66

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199	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Olive Oil	Behenic acid (C22:0)	AOCS Official Method , Ce 2-66
200	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Olive Oil	cis-10-Heptadecanoic acid(C17:1)	AOCS Official Method , Ce 2-66
201	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Olive Oil	Cis-11-Eicosenoic acid (C20:1n9)	AOCS Official Method , Ce 2-66
202	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Olive Oil	Elaidic acid(c18:1n9t)	AOCS Official Method , Ce 2-66
203	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Olive Oil	Heptadecanoic acid (C17:0)	AOCS Official Method , Ce 2-66
204	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Olive Oil	Lignoceric acid (C24:0)	AOCS Official Method , Ce 2-66
205	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Olive Oil	Linoleic acid(C 18:2n6c)	AOCS Official Method , Ce 2-66
206	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Olive Oil	Linolenic acid(C18: 3n3)	AOCS Official Method , Ce 2-66
207	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Olive Oil	Myristic acid (C13:0)	AOCS Official Method , Ce 2-66
208	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Olive Oil	Oleic acid(C18:1n9c)	AOCS Official Method , Ce 2-66
209	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Olive Oil	Palmitic acid(C16:0)	AOCS Official Method , Ce 2-66
210	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Olive Oil	Palmitoleic acid(C16:1)	AOCS Official Method , Ce 2-66
211	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Olive Oil	Stearic acid(C18:0)	AOCS Official Method , Ce 2-66
212	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Palm oil, Palm kernel oil, Olive oil [virgin, extra virgin ,refined, refined olive-pomace, olive pomace]	Free fatty acid	Manual of Methods of Analysis of Oils & Fats Method No: FSSAI 02.009

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213	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Palmolein	Arachidic acid (C20:0)	AOCS official method Ce 2-66
214	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Palmolein	Behenic acid (C22:0)	AOCS Official method Ce-2-66
215	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Palmolein	cis-11-Eicosenoic acid(C 20 :1n9)	AOCS Official Method Ce-2-66
216	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Palmolein	Heptadecanoic acid (C17:0)	AOCS Official Method Ce 2-66
217	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Palmolein	Lauric acid (C12:0)	AOCS Official Method Ce 2-66
218	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Palmolein	Linoleic acid (C18:2n6c)	AOCS Official Method Ce 2-66
219	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Palmolein	Linolenic acid (C18:3n3)	AOCS Official Method Ce 2-66
220	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Palmolein	Myristic acid (C13:0)	AOCS Official Method Ce 2-66
221	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Palmolein	Oleic acid(C 18:1n9c)	AOCS Official Method,Ce-2-66
222	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Palmolein	Palmitic acid(C16:0)	AOCS Official Method Ce-2-66
223	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Palmolein	Palmitoleic acid(C 16:1)	AOCS Official Method Ce-2-66
224	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Palmolein	Stearic acid(C 18:0)	AOCS Official Method Ce-2-66
225	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Pan Masala	Acid Insoluble Ash on dry basis	IS 5643

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226	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Pan Masala	Synthetic food colour Erythrosine (CI45430) Carmoisine (CI14720) Ponceau (CI 16255) Sunset Yellow FCF (CI 15985) Tartrazine (CI 19140) Brilliant Blue FCF (CI 42090) Allura red (CI 16035)	In-house validated method:- RALE/FS(T)SOP-01.7/Issue No. 01/date 01.04.2015
227	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Pan Masala	Total Ash on dry basis	IS 5643
228	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Pepper black whole	Broken berries/Pin heads	IS 1978:
229	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Pepper black whole	Light berries.	FSSAI Manual of methods of Spices & condiments-method No:14.2
230	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Plantation while sugar,Refined sugar,Khandsari sugar,Bura sugar,Cube sugar,Misri	Sucrose	FSSAI Manual of Analysis of Beverages,Sugar and Sugar products & Confectionery products. Part A. Method No: 6.4
231	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Prepared meat products	Synthetic colour Erythrosine (CI45430) Carmoisine (CI14720) Ponceau (CI 16255) Sunset Yellow FCF (CI 15985) Tartrazine (CI 19140) Brilliant Blue FCF (CI 42090)	In-house validated method:- RALE/FS(T)SOP-01.7/Issue No. 01/date 01.04.2015
232	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Processed cereal based complimentary food,Milk cereal based complimentary food.	Crude Fibre	FSSAI Manual of methods of analysis of Cereals & Cereal products, Method No: 8.8
233	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Pulses	Defects-Seeds with slight Defects	FSSAI Manual of Methods of analysis of Cereals and Cereal products, Method No: 1.4
234	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Pulses-Masur,Urd,Moong,Chana,Chick pea,Arhar,Kulthi,Filed bean,Peas dry,Soy bean,Rajmah,Lobia,Moth bean(whole/shelled.split),food grains-Rice(Whole/Broken),Wheat(Whole/Broken),Maize,Jawar and other food grains,Unprocessed whole raw pulse,Oats	Extraneous matter(Including mineral matter & Animal origin)	FSSAI Manual of Methods of analysis of Cereals and Cereal products, Method No: 1.2 & 1.3.
235	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Pulses-Whole/Shelled/Split(Masur.Urd,Moong,Chana,chick pea,Arhar,Kulthi(horse gram),Filed bean,Peas dry,Soybean,Rajmah,Lobia,Moth bean	Defects-Seeds with serious defects	FSSAI Manual of Methods of analysis of Cereals and Cereal products, Method No: 1.4
236	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Pulses-Whole/Shelled/Split(Masur.Urd,Moong,Chana,chick pea,Arhar,Kulthi(horse gram),Filed bean,Peas dry,Soybean,Rajmah,Lobia,Moth bean	Discoloured seeds	FSSAI Manual of Methods of analysis of Cereals and Cereal products, Method No: 1.4

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237	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Pulses-Whole/Shelled/Split(Masur.Urd,Moong,Chana,chick pea,Arhar,Kulthi(horse gram),Filed bean,Peas dry,Soybean,Rajmah,Lobia,Moth bean	Moisture	FSSAI Manual of Methods of analysis of Cereals and Cereal products, Method No: 2.0
238	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Pulses-Whole/Shelled/Split(Masur.Urd,Moong,Chana,chick pea,Arhar,Kulthi(horse gram),Filed bean,Peas dry,Soybean,Rajmah,Lobia,Moth bean,Rice(whole and broken),Wheat(whole and broken),Maize,Jawar and other food grains.	Other edible pulses/grains	FSSAI Manual of Methods of analysis of Cereals and Cereal products, Method No: 1.4
239	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Refined vegetable oils, Virgin coconut oil, Olive oil, [virgin, extra virgin ,refined, refined olive-pomace, olive pomace] Blended edible vegetable oil,Vanaspati,partially hydrogenated soya bean oil,partially hydrogenated & winterised soya bean oil,refined salseed fat	Moisture	FSSAI manual of methods of analysis of foods, Oils and Fats Method No. FSSAI 02 .001
240	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Rice bran Oil	Lignoceric acid (C24:0)	AOCS Official Method, Ce 2-66
241	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Rice bran Oil	Linolelaidic acid (C18:2n6t)	AOCS Official Method, Ce 2-66
242	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Ricebran Oil	Arachidic acid(C 20:0)	AOCS Official Method,Ce 2-66
243	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Ricebran oil	Behenic acid(C 22:0)	AOCS Official Method,Ce 2-66
244	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Ricebran Oil	Cis-11-Eicosenoic acid (C20:1n9)	AOCS Official Method, Ce 2-66
245	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Ricebran Oil	Elaidic acid (C18:1n9t)	AOCS Official Method, Ce 2-66
246	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Ricebran Oil	Gamma Linolenic acid(C 18:3n6)	AOCS Official Method,Ce 2-66
247	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Ricebran Oil	Lauric acid (C 12:0)	AOCS Official Method,Ce 2-66
248	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Ricebran Oil	Linoleic acid(C 18:2n6c)	AOCS Official Method,Ce 2-66

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249	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Ricebran Oil	Linolenic acid(C 18:3n3)	AOCS Official Method,Ce 2-66
250	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Ricebran Oil	Myristic acid(C 14:0)	AOCS Official Method,Ce 2-66
251	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Ricebran Oil	Oleic acid(C 18:1n9c)	AOCS Official Method,Ce 2-66
252	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Ricebran Oil	Palmitic acid(C 16:0)	AOCS Official Method,Ce 2-66
253	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Ricebran Oil	Palmitoleic acid (C 16:1)	AOCS Official Method,Ce 2-66
254	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Ricebran Oil	Stearic acid(C 18:0)	AOCS Official Method,Ce 2-66
255	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Roasted & Ground Coffee	Alkalinity of water soluble ash.	FSSAI MANUAL OF METHODS OF ANALYSIS OF FOODS,BEVERAGES,SUGAR &SUGAR PRODUCTS,Manual No:4,Method No:1.6
256	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Roasted & Ground Coffee	Water Soluble Ash % of Total Ash (on dry wt.basis).	FSSAI MANUAL OF METHODS OF ANALYSIS OF FOODS,BEVERAGES,SUGAR & SUGAR PRODUCTS.Manual No:4,Method No:1.4
257	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Roasted & ground coffee,soluble coffee powder,coffee-chicory mixture,Instant coffee-chicory mixture.	Caffeine content (on dry basis)	IS 16028
258	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Roasted and ground Coffee, Soluble Coffee Powder,Coffee Chicory Mixture.	Moisture	FSSAI MANUAL OF METHODS OF ANALYSIS OF FOODS,BEVERAGES,SUGARS AND SUGAR PRODUCTS,Manual No:4,Method No:1.2
259	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Roasted and ground Coffee,Coffee Chicory Mixture,Instant Coffee Chicory Mixture,soluble coffee powder.	Acid Insoluble Ash on dry basis	FSSAI MANUAL OF METHODS OF ANALYSIS OF FOODS,BEVERAGES,SUGAR & SUGAR PRODUCTS,Manual No:4,Method No:1.5

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260	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Roasted and ground Coffee,Coffee Chicory Mixture,soluble coffee powder.	Aqueous Extract on dry wt.basis.	FSSAI MANUAL OF METHODS OF ANALYSIS,Manual No:4,Method No:1.7
261	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Roasted and ground Coffee,Soluble Coffee Powder,Coffee Chicory Mixture,Instant Coffee	Total Ash on dry wt.basis.	FSSAI MANUAL OF METHODS OF ANALYSIS OF FOODS AND BEVERAGES,SUGAR & SUGAR PRODUCTS.MANUAL No:4,Method No:1.3
262	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Rolled oats	Alcoholic acidity(ml N NaOH /100 gm of dried substance)	FSSAI Manual of Methods of analysis of Cereals and Cereal products, Method No: 15.3:
263	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Rolled oats	Ash Insoluble in dilute HCl	IS 1484
264	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Rolled Oats	Crude Fibre	IS 1484: Rolled Oats(Quick-Cooking Type)
265	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Rolled oats	Moisture	IS 1484
266	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Rolled Oats	Nitrogen content on dry basis	AOAC Official Methods of analysis, chapter 11,21 st edition
267	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Rolled oats	Total Ash	IS 1484
268	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Spices & Spice products	Volatile oil content(on dry basis)	FSSAI Manual of methods of Analysis of Foods,Spices & condiments.Method No:10.0
269	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Spices and spice products,Pickles.	Oil soluble colours (Sudan I.II.III & IV)	FSSAI Manual of methods of Analysis of Food & Food Additives-Method No:4.3
270	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Spices whole (Chillies, Cinnamon, Cassia, Coriander, Cumin, Fennel, Fenugreek, Mustard , Nutmeg) Spice powders & spice products.	Ash insoluble in dil. HCL (dry basis)	FSSAI MANUAL OF METHODS OF ANALYSIS, MANUAL NO: 10 SPICES & CONDIMENTS, METHOD NO:5.0
271	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Spices whole(Cardamom, Chillies, Cinnamon, Cassia,Nutmeg, Cloves, Coriander, Cumin, Fennel, Fenugreek, Mustard, Pepper , Turmeric),Spice powders,Spice products.	Moisture	FSSAI Manual of Methods of Analysis of Spices & Condiments,Method.No:3

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272	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Spices whole(Chillies, Cardamom, Cinnamon, Cassia , Coriander, Cumin, Fennel, Fenugreek,Nutmeg,Mustard, Pepper, Turmeric) ,spice powders & spice products.	Total ash (dry wt. basis)	FSSAI manual of methods of analysis of foods- spices & condiments.Manual no:10 Method No :4
273	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Sugar Boiled Confectionery	Al Ash	FSSAI manual for analysis of beverages (Coffee, Tea, Cocoa, Chicory),Sugar and sugar products and confectionery products. Method No.Part A-5
274	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Sugar Boiled Confectionery	Ash Sulphated (on salt free basis)	FSSAI manual for analysis of beverages (Coffee, Tea, Cocoa, Chicory),Sugar and sugar products and confectionery products. Method No.Part A-3
275	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Sugar boiled confectionery, Lozenges, chewing gum and bubble gum, chocolates, Ice lollies ,cocoa powder and products, Ready to eat savoury snacks, Cakes and fine bakery products.	Synthetic food colour Erythrosine (CI45430) Carmoisine (CI14720) Ponceau (CI 16255) Sunset Yellow FCF (CI 15985) Tartrazine (CI 19140) Brilliant Blue FCF (CI 42090) Allura Red (CI 16035)	In-house validated method:- RALE/FS(T)SOP-01.7/Issue No. 01/date 01.04.2015
276	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Sugar, Jaggery	Synthetic food colour Erythrosine (CI45430) Carmoisine (CI14720) Ponceau (CI 16255) Sunset Yellow FCF (CI 15985) Tartrazine (CI 19140) Brilliant Blue FCF (CI 42090) Allura Red (CI 16035)	In-house validated method:- RALE/FS(T)SOP-01.7/Issue No. 01/date 01.04.2015
277	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Sugar, Khandsari sugar, Bura, Cube sugar	Moisture	FSSAI manual of methods of analysis of foods, Beverages, Sugar & Confectionery Products Method No. 7.2
278	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Sunflower Oil	Linolenic Acid(C18:3n3)	AOCS Official Method, Ce 2-66
279	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Sunflower Oil	Arachidic acid (C20:0)	AOCS Official Method, Ce 2-66
280	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Sunflower Oil	Behenic acid (C22:0)	AOCS Official Method, Ce 2-66

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281	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Sunflower Oil	Cis-10-Heptadecenoic acid (C17:1)	AOCS Official Method, Ce 2-66
282	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Sunflower Oil	cis-11-Eicosenoic acid (C20:1n9)	AOCS Official Method, Ce 2-66
283	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Sunflower Oil	Heptadecanoic acid (C17:0)	AOCS Official Method, Ce 2-66
284	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Sunflower Oil	Lauric acid (C12:0)	AOCS Official Method, Ce 2-66
285	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Sunflower Oil	Lignoceric acid (C24:0)	AOCS Official Method, Ce 2-66
286	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Sunflower Oil	Linoleic Acid(C18: 2n 6c)	AOCS Official Method, Ce 2-66
287	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Sunflower Oil	Myristic acid (C13:0)	AOCS Official Method, Ce 2-66
288	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Sunflower Oil	Oleic Acid(C 18:1n9c)	AOCS Official Method, Ce 2-66
289	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Sunflower oil	Palmitic Acid(C 16:0)	AOCS Official Method, Ce 2-66
290	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Sunflower Oil	Palmitoleic acid (C16:1)	AOCS Official Method, Ce 2-66
291	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Sunflower Oil	Stearic Acid(C 18:0)	AOCS Official Method, Ce 2-66
292	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Synthetic vinegar & Brewed vinegar	Acidity	FSSAI manual of methods of analysis of foods, Fruits & Vegetable Products Method No. 14.5
293	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Synthetic vinegar & Brewed vinegar	Test for mineral acid	FSSAI manual of methods of analysis of foods, Fruits & Vegetable Products Method No. 14.6

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294	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Synthetic/Fruit beverages ,Non-alcoholic carbonated, caffeinated & Non-carbonated water based flavored drinks,Wines,Alcoholic beverages.	Synthetic food colour Erythrosine (CI45430) Carmoisine (CI14720) Ponceau (CI 16255) Sunset Yellow FCF (CI 15985) Tartrazine (CI 19140) Brilliant Blue FCF (CI 42090) Allura Red (CI 16035)	In-house validated method:- RALE/FS(T)SOP-01.7/Issue No. 01/date 01.04.2015
295	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Tea	Crude Fibre	FSSAI MANUAL OF METHODS OF ANALYSIS OF FOODS,BEVERAGES,SUGARS AND SUGAR PRODUCTS,Manual No:4,Method No:5.8
296	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Tea (raw, processed, instant)	Iron filings(mg/kg)	FSSAI Order:Method No:01,07.04
297	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Tea powder	Total Ash	IS 13854
298	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Tea,Tea dust,Flavored Tea Powder	Acid insoluble ash	IS 13857
299	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Tea,Tea dust,Flavored tea powder	Alkalinity of water soluble ash	IS 13856
300	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Tea,Tea dust,Flavored tea powder	Synthetic food colour Erythrosine (CI45430) Carmoisine (CI14720) Ponceau (CI 16255) Sunset Yellow FCF (CI 15985) Tartrazine (CI 19140) Brilliant Blue FCF (CI 42090)	In-house validated method:- RALE/FS(T)SOP-01.7/Issue No. 01/date 01.04.2015
301	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Tea,Tea dust,Flavored tea powder	Water extract	FSSAI Manual of methods of Analysis of Foods,Beverages,sugar& sugar products & confectionery products.
302	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Tea,Tea dust,flavored tea powder	Water soluble ash % of Total Ash.	IS 13855

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303	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Thermally processed vegetable soups, Ready to eat vegetables, Thermally processed vegetables, Thermally processed vegetable juice, Thermally processed concentrated vegetable juice pulp/puree, Thermally processed tomato puree/paste, Soup powder, Vegetable juice, Concentrated vegetable juice, Tamarind pulp puree/concentrate. Vegetable-cereal flakes, Candied crystallized glazed vegetable/rhizome, Vegetable sauce, Dehydrated/frozen vegetables, Frozen curried vegetables, Vegetable chutney, Vegetable pickles, fried vegetable.	Benzoate as Benzoic acid	Inhouse validated method-RALE/FS(QC)/SOP/01.01.2019
304	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Thermally processed vegetable soups, Ready to eat vegetables, Thermally processed vegetables, Thermally processed vegetable juice, Thermally processed concentrated vegetable juice pulp/puree, Thermally processed tomato puree/paste, Soup powder, Vegetable juice, Concentrated vegetable juice, Tamarind pulp puree/concentrate. Vegetable-cereal flakes, Candied crystallized glazed vegetable/rhizome, Vegetable sauce, Dehydrated/frozen vegetables, Frozen curried vegetables, Vegetable chutney, Vegetable pickles, fried vegetable.	Sorbate as Sorbic acid	Inhouse validated method-RALE/FS(QC)/SOP/01.01.2019
305	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Thermally processed- canned vegetables/curried vegetables, thermally processed vegetable soups, Canned fruit.	Benzoate as Benzoic acid	In-house validated method-RALE/FS(QC)/SOP/01.01.2019
306	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Thermally processed- canned vegetables/curried vegetables, thermally processed vegetable soups, Canned fruit.	Sorbate as Sorbic acid	In-house validated method-RALE/FS(QC)/SOP/01.01
307	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Til oil, Olive oil (Virgin, extra virgin, refined),Safflower oil, Mustard oil, ground nut oil, cotton seed oil, Niger seed oil	B.T.T.T	Manual of Methods of Analysis of Oils & Fats Method No: FSSAI 02.012:
308	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Toned Milk, Double Toned Milk, Standardized Milk, Cow milk, Buffalo Milk	Test for neutralizers	FSSAI Manual for analysis of milk and milk products Method No.1.2.11
309	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Toned Milk, Double Toned Milk, Standardized Milk, Cow milk, Buffalo Milk,Curd/Flavoured milk	Test for starch	FSSAI Manual for analysis of milk and milk products Method No.1.2.2
310	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Toned Milk, Double Toned Milk, Standardized Milk, Cow milk, Buffalo Milk,Curd/Flavoured milk	Test for sugar	FSSAI Manual for analysis of milk and milk products Method No.1.2.1
311	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Toned Milk, Double Toned Milk, Standardized Milk, Cow milk, Buffalo Milk,Milk	Solid not fat	IS 12333 and AOAC 21 st Edition Method No. 990.21
312	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Tonned Milk,Double Toned Milk Standardized Milk Cow milk Buffalo Milk,Milk	Fat	IS 1224 Part I

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313	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Turmeric (Powdered and finger)	Total Starch	FSSAI Manual of methods of analysis of spices herbs and condiments method No : 10.032
314	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Turmeric Powder	Colouring power expressed as Curcuminoid content(on dry basis)	ASTA Analytical Methods-Method No:18.0
315	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Turmeric whole,Turmeric powder	Test for Chromate	FSSAI manual of analysis of spices herbs and condiments Method No: 10.033
316	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Vanaspati	Trans Fatty Acids	AOCS Official Method,Ce 2-66
317	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Vegetables, Chips, Prepared vegetable products	Synthetic colour Erythrosine (CI45430) Carmoisine (CI14720) Ponceau (CI 16255) Sunset Yellow FCF (CI 15985) Tartrazine (CI 19140) Brilliant Blue FCF (CI 42090)	In-house validated method:-RALE/FS(T)SOP-01.7/Issue No. 01/date 01.04.2015
318	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Vinegar, Flavoring agents	Synthetic food colour Erythrosine (CI45430) Carmoisine (CI14720) Ponceau (CI 16255) Sunset Yellow FCF (CI 15985) Tartrazine (CI 19140) Brilliant Blue FCF (CI 42090) Allura Red (CI 16035)	In-house validated method:-RALE/FS(T)SOP-01.7/Issue No. 01/date 01.04.2015
319	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Wheat(Whole/Broken),Rice(Whole/Broken),Maize,Jawar,Durum wheat,Finger millet and any other food grains	Damaged Grains	FSSAI Manual of Methods of analysis of Cereals and Cereal products, Method No: 1.4
320	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Wheat(Whole/Broken),Rice(Whole/Broken),Maize,Jawar,Durum wheat,Finger millet and any other food grains	Moisture	FSSAI Manual of Methods of analysis of Cereals and Cereal products, Method No: 2.0
321	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Wheat(Whole/Broken),Rice(Whole/Broken),Maize,Jawar,Durum wheat,Finger millet and any other food grains	Other edible grains	FSSAI Manual of Methods of analysis of Cereals and Cereal products, Method No: 1.4
322	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Wheat(Whole/Broken),Rice(Whole/Broken),Maize,Jawar,Durum wheat,Finger millet and any other food grains	Weevilled grains	FSSAI Manual of Methods of analysis of Cereals and Cereal products, Method No: 1.4

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323	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Wheat(Whole/Broken),Rice(Whole/Broken),Maize,Jawar,Durum wheat,Finger millet and any other food grains Pulses - Whole/shelled/split(Masur,Urd,Moong,Chana,Chick pea,Arhar,Kulthi(horse gram),Field bean, Peas dry,Soybean,Rajmah,Lobia,Moth bean,Biscuits & Bread, Atta,Fortified atta,Maida,Fortified Maida,Semolina(suji,rava),Protein rich atta,Protein rich Maida,Besan, Corn flour / Custard powder /Corn Flakes, Macaroni products / Instant noodles, Rice Powder, Processed cereal based complimentary food,Milk cereal based complimentary food, Rolled oats, Infant foods, Malted milk food / Malt based food, Nuts,dry fruits	Dead/Living Insects	IS 6261
324	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Wheat(Whole/Broken),Rice(Whole/Broken),Maize,Jawar,Durum wheat,Finger millet and any other food grains Pulses-Whole/Shelled/Split(Masur.Urd,Moong,Chana,chick pea,Arhar,Kulthi(horse gram),Filed bean,Peas dry,Soybean,Rajmah,Lobia,Moth bean,Biscuits & Bread, Atta,Fortified atta,Maida,Fortified Maida,Semolina(suji,rava),Protein rich atta,Protein rich Maida,Besan, Corn flour / Custard powder /Corn Flakes, Macaroni products / Instant noodles, Rice Powder, Processed cereal based complimentary food,Milk cereal based complimentary food, Rolled oats, Infant foods, Malted milk food / Malt based food, Nuts,dry fruits	Insect Fragments& Rodent contamination	IS 6261
325	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Cereal and cereal products.	Metals-Lead as Pb	FSSAI Manual of Methods of Analysis of Foods-Metals, Method No:5:
326	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Cereals (whole and powder)	Aflatoxin G2	FSSAI Manual of Foods-Mycotoxins,Method No:FSSAI.07.009
327	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Cereals and cereal products	Metals-Copper as Cu	FSSAI Manual of Methods of Analysis of Foods-Metals, Method No:5:
328	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Cereals and cereal products.	Metals-Cadmium as Cd	FSSAI Manual of Methods of Analysis of Foods-Metals, Method No:5:
329	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Cereals(whole and powder)	Aflatoxin B1	FSSAI Manual of Foods-Mycotoxins,Method No:FSSAI.07.009
330	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Cereals(whole and powder)	Aflatoxin G1	FSSAI Manual of Foods-Mycotoxins,Method No:FSSAI.07.009
331	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Cereals(whole and powder)	Pesticide Residue-Alpha Endosulfan	AOAC Official Methods of analysis, 21st Edition, chapter 10.1.04

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332	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Cereals(whole and powder)	Pesticide Residue-Beta Endosulfan	AOAC Official Methods of analysis, 21st Edition, chapter 10.1.04
333	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Cereals(whole and powder)	Pesticide Residue-Beta HCH	AOAC Official Methods of analysis, 21st Edition, chapter 10.1.04
334	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Cereals(whole and powder)	Pesticide Residue-Bifenthrin	AOAC Official Methods of analysis, 21st Edition, chapter 10.1.04
335	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Cereals(whole and powder)	Pesticide Residue-Delta HCH	AOAC Official Methods of analysis, 21st Edition, chapter 10.1.04
336	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Cereals(whole and powder)	Pesticide Residue-Deltamethrin	AOAC Official Methods of analysis, 21st Edition, chapter 10.1.04
337	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Cereals(whole and powder)	Pesticide Residue-Ethion	AOAC Official Methods of analysis, 21st Edition, chapter 10.1.04
338	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Cereals(whole and powder)	Pesticide Residue-Fenpropathrin	AOAC Official Methods of analysis, 21st Edition, chapter 10.1.04
339	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Cereals(whole and powder)	Pesticide Residue-Fenthion	AOAC Official Methods of analysis, 21st Edition, chapter 10.1.04
340	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Cereals(whole and powder)	Pesticide Residue-Gamma HCH	AOAC Official Methods of analysis, 21st Edition, chapter 10.1.04
341	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Cereals(whole and powder)	Pesticide Residue-Heptachlor	AOAC Official Methods of analysis, 21st Edition, chapter 10.1.04
342	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Cereals(whole and powder)	Pesticide Residue-Malathion	AOAC Official Methods of analysis, 21st Edition, chapter 10.1.04
343	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Cereals(whole and powder)	Pesticide Residue-Methyl parathion	AOAC Official Methods of analysis, 21st Edition, chapter 10.1.04
344	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Cereals(whole and powder)	Pesticide Residue-o,p-DDD	AOAC Official Methods of analysis, 21st Edition, chapter 10.1.04
345	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Cereals(whole and powder)	Pesticide Residue-o,p-DDT	AOAC Official Methods of analysis, 21st Edition, chapter 10.1.04

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346	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Cereals(whole and powder)	Pesticide Residue-op DDE	AOAC Official Methods of analysis, 21st Edition, chapter 10.1.04
347	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Cereals(whole and powder)	Pesticide Residue-p,p DDE	AOAC Official Methods of analysis, 21st Edition, chapter 10.1.04
348	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Cereals(whole and powder)	Pesticide Residue-Permethrin	AOAC Official Methods of analysis, 21st Edition, chapter 10.1.04
349	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Cereals(whole and powder)	Pesticide Residue-Quinalphos	AOAC Official Methods of analysis, 21st Edition, chapter 10.1.04
350	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Cereals(whole and powder)	Total Aflatoxins(G2+G1+B2+B1)	FSSAI Manual of Foods-Mycotoxins,Method No:FSSAI.07.009
351	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Cerelas (whole and powder)	Aflatoxin B2	FSSAI Manual of Foods-Mycotoxins,Method No:FSSAI.07.009
352	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Fresh vegetables	Pesticide Residue-Bifenthrin	AOAC Official Methods of analysis, 21st Edition, chapter 10.1.04
353	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Fresh vegetables	Pesticide Residue-Cypermethrin	AOAC Official Methods of analysis, 21st Edition, chapter 10.1.04
354	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Fresh vegetables	Pesticide Residue-DDD, o, p	AOAC Official Methods of analysis, 21st Edition, chapter 10.1.04
355	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Fresh vegetables	Pesticide Residue-DDE o,p	AOAC Official Methods of analysis, 21 st Edition, chapter 10.1.04
356	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Fresh vegetables	Pesticide Residue-DDE p, p	AOAC Official Methods of analysis, 21st Edition, chapter 10.1.04
357	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Fresh vegetables	Pesticide Residue-DDT o,p	AOAC Official Methods of analysis, 21st Edition, chapter 10.1.04
358	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Fresh vegetables	Pesticide Residue-Deltamethrin	AOAC Official Methods of analysis, 21st Edition, chapter 10.1.04
359	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Fresh vegetables	Pesticide Residue-Dimethoate	AOAC Official Methods of analysis, 21 st Edition, chapter 10.1.04

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360	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Fresh vegetables	Pesticide Residue-Endosulfan - Alpha	AOAC Official Methods of analysis, 21 st Edition, chapter 10.1.04
361	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Fresh vegetables	Pesticide Residue-Endosulfan - Beta	AOAC Official Methods of analysis, 21st Edition, chapter 10.1.04
362	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Fresh vegetables	Pesticide Residue-Ethion	AOAC Official Methods of analysis, 21st Edition, chapter 10.1.04
363	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Fresh vegetables	Pesticide Residue-Fenpropathrin	AOAC Official Methods of analysis, 21st Edition, chapter 10.1.04
364	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Fresh vegetables	Pesticide Residue-Fenthion	AOAC Official Methods of analysis, 21 st Edition, chapter 10.1.04
365	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Fresh vegetables	Pesticide Residue-HCH Beta	AOAC Official Methods of analysis, 21 st Edition, chapter 10.1.04
366	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Fresh vegetables	Pesticide Residue-HCH delta	AOAC Official Methods of analysis, 21 st Edition, chapter 10.1.04
367	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Fresh vegetables	Pesticide Residue-HCH gamma	AOAC Official Methods of analysis, 21 st Edition, chapter 10.1.04
368	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Fresh vegetables	Pesticide Residue-Heptachlor	AOAC Official Methods of analysis, 21 st Edition, chapter 10.1.04
369	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Fresh vegetables	Pesticide Residue-Malathion	AOAC Official Methods of analysis, 21 st Edition, chapter 10.1.04
370	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Fresh vegetables	Pesticide Residue-Methyl parathion	AOAC Official Methods of analysis, 21 st Edition, chapter 10.1.04
371	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Fresh vegetables	Pesticide Residue-Permethrin	AOAC Official Methods of analysis, 21st Edition, chapter 10.1.04
372	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Fresh vegetables	Pesticide Residue-Quinalphos	AOAC Official Methods of analysis, 21 st Edition, chapter 10.1.04
373	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Milk	Aflatoxin M1	FSSAI Manual of Methods of Analysis of Foods-Mycotoxins-Method No:FSSAI.07.014

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374	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Pulses	Metal-Cadmium	FSSAI Manual of analysis of Foods-Metals,Method No:5,
375	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Pulses	Metal-Copper	FSSAI Manual of analysis of Foods-Metals,Method No:5,
376	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Pulses	Metal-Lead	FSSAI Manual of analysis of Foods-Metals,Method No:5,
377	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Pulses(whole and ground)	Aflatoxin G2	FSSAI Manual of Foods-Mycotoxins,Method No:FSSAI.07.009
378	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Pulses(whole and powder)	Aflatoxin B1	FSSAI Manual of Foods-Mycotoxins,Method No:FSSAI.07.009
379	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Pulses(whole and powder)	Aflatoxin B2	FSSAI Manual of Foods-Mycotoxins,Method No:FSSAI.07.009
380	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Pulses(whole and powder)	Aflatoxin G1	FSSAI Manual of Foods-Mycotoxins,Method No:FSSAI.07.009
381	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Pulses(whole and powder)	Total Aflatoxins (G1+G2+B1+B2)	FSSAI Manual of Foods-Mycotoxins,Method No:FSSAI.07.009
382	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Spices (whole & ground)	Metal-Barium as Ba	FSSAI Manual of Methods of Analysis of Foods-Metals, Method No:5
383	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Spices (whole & ground)	Metal-Cadmium as Cd	FSSAI Manual of Methods of Analysis of Foods-Metals, Method No:5
384	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Spices (whole & ground)	Metal-Chromium as Cr	FSSAI Manual of Methods of Analysis of Foods-Metals, Method No:5
385	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Spices (whole & ground)	Metal-Cobalt as Co	FSSAI Manual of Methods of Analysis of Foods-Metals, Method No:5
386	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Spices (whole & ground)	Metal-Copper as Cu	FSSAI Manual of Methods of Analysis of Foods-Metals, Method No:5
387	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Spices (whole & ground)	Metal-Gallium as Ga	FSSAI Manual of Methods of Analysis of Foods-Metals, Method No:5

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388	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Spices (whole & ground)	Metal-Indium as In	FSSAI Manual of Methods of Analysis of Foods-Metals, Method No:5
389	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Spices (whole & ground)	Metal-Lead as Pb	FSSAI Manual of Methods of Analysis of Foods-Metals, Method No:5
390	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Spices (whole & ground)	Metal-Nickel as Ni	FSSAI Manual of Methods of Analysis of Foods-Metals, Method No:5
391	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Spices (whole & ground)	Metal-Silver as Ag	FSSAI Manual of Methods of Analysis of Foods-Metals, Method No:5
392	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Spices (whole & ground)	Metal-Titanium as Ti	FSSAI Manual of Methods of Analysis of Foods-Metals, Method No:5
393	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Spices (whole & ground)	Pesticide residue- Dimethoate.	AOAC Official Methods of analysis, 21 st Edition, chapter 10.1.04
394	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Spices (whole & ground)	Pesticide Residue-Beta Endosulfan	AOAC Official Methods of analysis, 21 st Edition, chapter 10.1.04
395	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Spices (whole & ground)	Pesticide Residue-Beta HCH	AOAC Official Methods of analysis, 21 st Edition, chapter 10.1.04
396	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Spices (whole & ground)	Pesticide Residue-Bifenthrin	AOAC Official Methods of analysis, 21 st Edition, chapter 10.1.04
397	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Spices (whole & ground)	Pesticide Residue-Delta HCH	AOAC Official Methods of analysis, 21 st Edition, chapter 10.1.04
398	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Spices (whole & ground)	Pesticide Residue-Deltamethrin	AOAC Official Methods of analysis, 21 st Edition, chapter 10.1.04
399	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Spices (whole & ground)	Pesticide Residue-Ethion	AOAC Official Methods of analysis, 21 st Edition, chapter 10.1.04
400	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Spices (whole & ground)	Pesticide Residue-Fenpropathrin	AOAC Official Methods of analysis, 21 st Edition, chapter 10.1.04
401	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Spices (whole & ground)	Pesticide Residue-Fenthion	AOAC Official Methods of analysis, 21 st Edition, chapter 10.1.04

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402	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Spices (whole & ground)	Pesticide Residue-gamma HCH	AOAC Official Methods of analysis, 21 st Edition, chapter 10.1.04
403	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Spices (whole & ground)	Pesticide Residue-Heptachlor	AOAC Official Methods of analysis, 21 st Edition, chapter 10.1.04
404	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Spices (whole & ground)	Pesticide Residue-Malathion	AOAC Official Methods of analysis, 21 st Edition, chapter 10.1.04:
405	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Spices (whole & ground)	Pesticide Residue-Methyl Parathion	AOAC Official Methods of analysis, 21 st Edition, chapter 10.1.04
406	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Spices (whole & ground)	Pesticide Residue-o,p-DDD	AOAC Official Methods of analysis, 21 st Edition, chapter 10.1.04
407	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Spices (whole & ground)	Pesticide Residue-o,p-DDE	AOAC Official Methods of analysis, 21 st Edition, chapter 10.1.04
408	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Spices (whole & ground)	Pesticide Residue-o,p-DDT	AOAC Official Methods of analysis, 21 st Edition, chapter 10.1.04
409	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Spices (whole & ground)	Pesticide Residue-p,p-DDE	AOAC Official Methods of analysis, 21 st Edition, chapter 10.1.04
410	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Spices (whole & ground)	Pesticide Residue-Permethrin	AOAC Official Methods of analysis, 21 st Edition, chapter 10.1.04
411	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Spices (whole & ground)	Pesticide Residue-Quinalphos	AOAC Official Methods of analysis, 21 st Edition, chapter 10.1.04
412	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Spices (whole and powder),Nuts	Aflatoxin B2	FSSAI Manual of methods of analysis of Foods-Mycotoxins, Method: 07.009
413	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Spices (whole and powder),Nuts	Aflatoxin G1	FSSAI Manual of methods of analysis of Foods-Mycotoxins, Method: 07.009
414	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Spices (whole and powder),Nuts	Aflatoxin G2	FSSAI Manual of methods of analysis of Foods-Mycotoxins,Method :07.009.
415	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Spices (whole and powder),Nuts	Total Aflatoxins(G2+G1+B2+B1)	FSSAI Manual of methods of analysis of Foods-Mycotoxins, Method: 07.009

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416	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Spices(whole & ground)	Pesticide Residue-Alpha Endosulfan	AOAC Official Methods of analysis, 21 st Edition, chapter 10.1.04
417	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Spices(whole & powder),Nuts	Aflatoxin B1	FSSAI Manual of methods of analysis of Foods-Mycotoxins, Method: 07.009
418	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Synthetic Vinegar	Metal-Cadmium as Cd	FSSAI Manual of analysis of Foods-Metals,Method No:5,
419	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Synthetic Vinegar	Metal-Copper as Cu	FSSAI Manual of analysis of Foods-Metals,Method No:5,
420	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Synthetic Vinegar	Metal-Lead as Pb	FSSAI Manual of analysis of Foods-Metals,Method No:5,
421	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Vanaspati	Metal-Nickel	FSSAI Manual of Methods of Analysis of Foods-Metals, Method No:5:
422	CHEMICAL- RESIDUES IN WATER	Packaged Drinking water, Mineral water, Water from purifiers.	Metal-Aluminum as Al	American Public Health Association (APHA) Part 3120 B,23rd edition
423	CHEMICAL- RESIDUES IN WATER	Packaged Drinking water, Mineral water, Water from purifiers.	Metal-Barium as Ba	American Public Health Association (APHA) Part 3120 B,23rd edition
424	CHEMICAL- RESIDUES IN WATER	Packaged Drinking water, Mineral water, Water from purifiers.	Metal-Bismuth as Bi	American Public Health Association (APHA) Part 3120 B,23rd edition
425	CHEMICAL- RESIDUES IN WATER	Packaged Drinking water, Mineral water, Water from purifiers.	Metal-Boron as B	American Public Health Association (APHA) Part 3120 B,23rd edition
426	CHEMICAL- RESIDUES IN WATER	Packaged Drinking water, Mineral water, Water from purifiers.	Metal-Cadmium as Cd	American Public Health Association (APHA) Part 3120 B,23rd edition
427	CHEMICAL- RESIDUES IN WATER	Packaged Drinking water, Mineral water, Water from purifiers.	Metal-Calcium as Ca	American Public Health Association (APHA) Part 3120 B,23rd edition
428	CHEMICAL- RESIDUES IN WATER	Packaged Drinking water, Mineral water, Water from purifiers.	Metal-Chromium as Cr	American Public Health Association (APHA) Part 3120 B,23rd edition
429	CHEMICAL- RESIDUES IN WATER	Packaged Drinking water, Mineral water, Water from purifiers.	Metal-Cobalt as Co	American Public Health Association (APHA) Part 3120 B,23rd edition

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430	CHEMICAL- RESIDUES IN WATER	Packaged Drinking water, Mineral water, Water from purifiers.	Metal-Copper as Cu	American Public Health Association (APHA) Part 3120 B,23rd edition
431	CHEMICAL- RESIDUES IN WATER	Packaged Drinking water, Mineral water, Water from purifiers.	Metal-Gallium as Ga	American Public Health Association (APHA) Part 3120 B,23rd edition
432	CHEMICAL- RESIDUES IN WATER	Packaged Drinking water, Mineral water, Water from purifiers.	Metal-Indium as In	American Public Health Association (APHA) Part 3120 B,23rd edition
433	CHEMICAL- RESIDUES IN WATER	Packaged Drinking water, Mineral water, Water from purifiers.	Metal-Iron as Fe	American Public Health Association (APHA) Part 3120 B,23rd edition
434	CHEMICAL- RESIDUES IN WATER	Packaged Drinking water, Mineral water, Water from purifiers.	Metal-Lead as Pb	American Public Health Association (APHA) Part 3120 B,23rd edition
435	CHEMICAL- RESIDUES IN WATER	Packaged Drinking water, Mineral water, Water from purifiers.	Metal-Lithium as Li	American Public Health Association (APHA) Part 3120 B,23rd edition
436	CHEMICAL- RESIDUES IN WATER	Packaged Drinking water, Mineral water, Water from purifiers.	Metal-Magnesium as Mg	American Public Health Association (APHA) Part 3120 B,23rd edition
437	CHEMICAL- RESIDUES IN WATER	Packaged Drinking water, Mineral water, Water from purifiers.	Metal-Manganese as Mn	American Public Health Association (APHA) Part 3120 B,23rd edition
438	CHEMICAL- RESIDUES IN WATER	Packaged Drinking water, Mineral water, Water from purifiers.	Metal-Nickel as Ni	American Public Health Association (APHA) Part 3120 B,23rd edition
439	CHEMICAL- RESIDUES IN WATER	Packaged Drinking water, Mineral water, Water from purifiers.	Metal-Potassium as K	American Public Health Association (APHA) Part 3120 B,23rd edition
440	CHEMICAL- RESIDUES IN WATER	Packaged Drinking water, Mineral water, Water from purifiers.	Metal-Silver as Ag	American Public Health Association (APHA)23rd edition,Part 3120 B
441	CHEMICAL- RESIDUES IN WATER	Packaged Drinking water, Mineral water, Water from purifiers.	Metal-Sodium as Na	American Public Health Association (APHA) Part 3120 B,23rd edition
442	CHEMICAL- RESIDUES IN WATER	Packaged Drinking water, Mineral water, Water from purifiers.	Metal-Strontium as Sr	American Public Health Association (APHA) Part 3120 B,23rd edition
443	CHEMICAL- RESIDUES IN WATER	Packaged Drinking water, Mineral water, Water from purifiers.	Metal-Thalium as Tl	American Public Health Association (APHA) Part 3120 B,23rd edition

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444	CHEMICAL- RESIDUES IN WATER	Packaged Drinking water, Mineral water, Water from purifiers.	Metal-Zinc as Zn	American Public Health Association (APHA) Part 3120 B,23rd edition
445	CHEMICAL- WATER	Drinking Water	Alkalinity (as CaCO3)	MANUAL OF METHODS OF ANALYSIS OF FOODS – WATER. FOOD SAFETY AND STANDARDS AUTHORITY OF INDIA
446	CHEMICAL- WATER	Drinking Water	Calcium (as Ca)	APHA,3500 Ca,23 rd Edition
447	CHEMICAL- WATER	Drinking Water	Chloride (as Cl-)	MANUAL OF METHODS OF ANALYSIS OF FOODS – WATER. FOOD SAFETY AND STANDARDS AUTHORITY OF INDIA
448	CHEMICAL- WATER	Drinking Water	Fluoride(as F-)	APHA,4500 F-,23 rd Edition
449	CHEMICAL- WATER	Drinking Water	Magnesium (as Mg)	APHA,3500 Mg,23 rd Edition
450	CHEMICAL- WATER	Drinking Water	Nitrate (as NO3-)	APHA,4500 NO3- B,23 rd Edition
451	CHEMICAL- WATER	Drinking Water	Nitrite (as NO2-)	APHA,4500 NO2- B,23 rd Edition
452	CHEMICAL- WATER	Drinking Water	pH	MANUAL OF METHODS OF ANALYSIS OF FOODS – WATER. FOOD SAFETY AND STANDARDS AUTHORITY OF INDIA
453	CHEMICAL- WATER	Drinking Water	Residual Free Chlorine	IS 3025:Part 26
454	CHEMICAL- WATER	Drinking Water	Sulphate (as SO4 2-)	Official Methods of AOAC, Volume I,Method No: 973.57, 21 st Edition
455	CHEMICAL- WATER	Drinking Water	Total Dissolved Solids	MANUAL OF METHODS OF ANALYSIS OF FOODS – WATER. FOOD SAFETY AND STANDARDS AUTHORITY OF INDIA
456	CHEMICAL- WATER	Drinking Water	Total Hardness (as CaCO3)	APHA ,2340C,23 rd Edition
457	CHEMICAL- WATER	Drinking Water	Turbidity	MANUAL OF METHODS OF ANALYSIS OF FOODS – WATER. FOOD SAFETY AND STANDARDS AUTHORITY OF INDIA

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458	CHEMICAL- WATER	Ground Water	Alkalinity (as CaCO3)	MANUAL OF METHODS OF ANALYSIS OF FOODS – WATER. FOOD SAFETY AND STANDARDS AUTHORITY OF INDIA
459	CHEMICAL- WATER	Ground Water	Calcium (as Ca)	APHA,3500 Ca,23 rd Edition
460	CHEMICAL- WATER	Ground Water	Chloride (as Cl-)	MANUAL OF METHODS OF ANALYSIS OF FOODS – WATER. FOOD SAFETY AND STANDARDS AUTHORITY OF INDIA
461	CHEMICAL- WATER	Ground Water	Fluoride(as F-)	APHA,4500 F,23 rd Edition
462	CHEMICAL- WATER	Ground Water	Magnesium (as Mg)	APHA,3500 Mg,23 rd Edition
463	CHEMICAL- WATER	Ground Water	Nitrate (as NO 3-)	APHA,4500 NO3-B,23 rd Edition
464	CHEMICAL- WATER	Ground Water	Nitrite (as NO 2-)	APHA,4500 NO2-B,23 rd Edition
465	CHEMICAL- WATER	Ground Water	pH	MANUAL OF METHODS OF ANALYSIS OF FOODS – WATER. FOOD SAFETY AND STANDARDS AUTHORITY OF INDIA
466	CHEMICAL- WATER	Ground Water	Residual Free Chlorine	IS 3025 : Part 26
467	CHEMICAL- WATER	Ground Water	Sulphate (as SO4 2-)	Official Methods of AOAC, Volume I,Method No: 973.57, 21 st Edition
468	CHEMICAL- WATER	Ground Water	Total Dissolved Solids	MANUAL OF METHODS OF ANALYSIS OF FOODS – WATER. FOOD SAFETY AND STANDARDS AUTHORITY OF INDIA
469	CHEMICAL- WATER	Ground Water	Total Hardness(as CaCO3)	APHA,2340 C,23 rd Edition
470	CHEMICAL- WATER	Ground Water	Turbidity	MANUAL OF METHODS OF ANALYSIS OF FOODS – WATER. FOOD SAFETY AND STANDARDS AUTHORITY OF INDIA
471	CHEMICAL- WATER	Packaged Drinking Water	Alkalinity (as HCO-3)	MANUAL OF METHODS OF ANALYSIS OF FOODS – WATER. FOOD SAFETY AND STANDARDS AUTHORITY OF INDIA
472	CHEMICAL- WATER	Packaged Drinking Water	Calcium as Ca.	APHA,3500 Ca,23 rd Edition

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473	CHEMICAL- WATER	Packaged Drinking Water	Chloride as Cl	MANUAL OF METHODS OF ANALYSIS OF FOODS – WATER. FOOD SAFETY AND STANDARDS AUTHORITY OF INDIA
474	CHEMICAL- WATER	Packaged Drinking Water	Fluoride (as F-)	APHA,4500 F-,23 rd Edition
475	CHEMICAL- WATER	Packaged Drinking Water	Magnesium as Mg.	APHA ,3500 Mg,23 rd Edition
476	CHEMICAL- WATER	Packaged Drinking Water	Nitrate (as NO3-)	APHA,4500 NO3-B,23 rd Edition
477	CHEMICAL- WATER	Packaged Drinking Water	Nitrite (as NO2-)	APHA,4500 NO2-B,23 rd Edition
478	CHEMICAL- WATER	Packaged Drinking Water	pH	MANUAL OF METHODS OF ANALYSIS OF FOODS – WATER. FOOD SAFETY AND STANDARDS AUTHORITY OF INDIA
479	CHEMICAL- WATER	Packaged Drinking Water	Residual free chlorine	IS 3025 : Part 26
480	CHEMICAL- WATER	Packaged Drinking Water	Sulphate (as SO4 2-)	Official Methods of AOAC, Volume I,Method No: 973.57, 21 st Edition
481	CHEMICAL- WATER	Packaged Drinking Water	Total Dissolved Solids	MANUAL OF METHODS OF ANALYSIS OF FOODS – WATER. FOOD SAFETY AND STANDARDS AUTHORITY OF INDIA
482	CHEMICAL- WATER	Packaged Drinking Water	Total Hardness (as CaCO3)	APHA,2340C,23 rd Edition
483	CHEMICAL- WATER	Packaged Drinking Water	Turbidity	MANUAL OF METHODS OF ANALYSIS OF FOODS – WATER. FOOD SAFETY AND STANDARDS AUTHORITY OF INDIA
484	CHEMICAL- WATER	Water from purifiers	Alkalinity (as CaCO3)	MANUAL OF METHODS OF ANALYSIS OF FOODS – WATER. FOOD SAFETY AND STANDARDS AUTHORITY OF INDIA
485	CHEMICAL- WATER	Water from purifiers	Calcium (as Ca)	APHA,3500 Ca,23 rd Edition
486	CHEMICAL- WATER	Water from purifiers	Chloride (as Cl-)	MANUAL OF METHODS OF ANALYSIS OF FOODS – WATER. FOOD SAFETY AND STANDARDS AUTHORITY OF INDIA
487	CHEMICAL- WATER	Water from purifiers	Fluoride (as F-)	APHA,4500 F,23 rd Edition

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488	CHEMICAL- WATER	Water from purifiers	Magnesium (as Mg)	APHA,3500 Mg,23 rd Edition
489	CHEMICAL- WATER	Water from purifiers	Nitrate(as NO3-)	APHA,4500 NO3-B,23 rd Edition
490	CHEMICAL- WATER	Water from purifiers	Nitrite (as NO2-)	APHA,4500 NO2-B,23 rd Edition
491	CHEMICAL- WATER	Water from purifiers	pH	MANUAL OF METHODS OF ANALYSIS OF FOODS – WATER. FOOD SAFETY AND STANDARDS AUTHORITY OF INDIA
492	CHEMICAL- WATER	Water from purifiers	Residual Free Chlorine	IS 3025 : Part 26
493	CHEMICAL- WATER	Water from purifiers	Sulphate (as SO4 2-)	Official Methods of AOAC, Volume I,Method No: 973.57, 21 st Edition
494	CHEMICAL- WATER	Water from purifiers	Total Dissolved Solids	MANUAL OF METHODS OF ANALYSIS OF FOODS – WATER. FOOD SAFETY AND STANDARDS AUTHORITY OF INDIA
495	CHEMICAL- WATER	Water from purifiers	Total Hardness(as CaCO3)	APHA,2340 C,23 rd Edition
496	CHEMICAL- WATER	Water from Purifiers	Turbidity	MANUAL OF METHODS OF ANALYSIS OF FOODS – WATER. FOOD SAFETY AND STANDARDS AUTHORITY OF INDIA

NOTE- The Laboratory has demonstrated competence for the stated scope for WATER. This however does not fully cover the specification requirements of BIS for the Packaged Drinking Water as per IS 14543 and the Packaged Natural Mineral Water IS 13428.