National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : STATE PUBLIC HEALTH LABORATORY, MANIPUR, R&D WING COMPLEX, MEDICAL DIRECTOTATE, LAMPHEL-4, IMPHAL, IMPHAL WEST, MANIPUR, 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	Atta, Maida, Suji, Rawa, corn flour, custard powder	Alcoholic Acidity (with 90% alcohol)	FSSAI manual of methods of Analysis of foods: Cereals and cereals products, 8.5, page 18
2	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Atta, Maida, Suji, Rawa, corn flour, custard powder	Ash insoluble in dil. HCl (on dry basis)	FSSAI manual of methods of Analysis of foods: Cereals and cereals products, 8.3, page 16
3	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Atta, Maida, Suji, Rawa, corn flour, custard powder	Crude Fibre	FSSAI manual of methods of Analysis of foods: Cereals and cereals products, 8.8, page 23
4	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Atta, Maida, Suji, Rawa, corn flour, custard powder	Gluten (on dry basis)	FSSAI manual of methods of Analysis of foods: Cereals and cereals products, 8.4, page 17
5	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Atta, Maida, Suji, Rawa, corn flour, custard powder	Moisture	FSSAI manual of methods of Analysis of foods: Cereals and cereals products, 8.1, page 13
6	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Atta, Maida, Suji, Rawa, corn flour, custard powder	Total Ash	FSSAI manual of methods of Analysis of foods: Cereals and cereals products, 8.2, page 14
7	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Blended Edible Oil	Moisture	FSSAI manual of methods of Analysis of foods: Oils and Fats products, 3.0, page 5
8	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Butter	Salt (as NaCl)	FSSAI Manual of methods of analysis of foods: Milk and Milk products, 12.4.2, page 107
9	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Coffee (roasted, ground, Instant & Soluble Coffee Powder)	Moisture	FSSAI manual of methods of Analysis of foods: Beverages, Sugar and boiled confectionery products, 1.2, page 4
10	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Coffee (roasted, ground, Instant & Soluble Coffee Powder)	Total Ash	FSSAI manual of methods of Analysis of foods: Beverages, Sugar and boiled confectionery products, 1.3, page 6
11	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Edible Oils (Mustard oil/Coconut oil/Cotton seed oil/Groundnut oil/Linseed oil/Safflower oil/Sunflower oil/Sesame Oil/Soyabean oil/Refined vegetable oil/Palm olein oil/Palm kernel oil/Almond oil)	Test for presence of Rice bran oil	FSSAI manual of methods of Analysis of foods: Oils and Fats products, 18.0, page 42
12	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Edible Oils (Mustard oil/Coconut oil/Cotton seed oil/Groundnut oil/Linseed oil/Safflower oil/Sunflower oil/Sesame Oil/Soyabean oil/Refined vegetable oil/Palm olein oil/Palm kernel oil/Almond oil/Rice bran oil)	Acid value	FSSAI manual of methods of Analysis of foods: Oils and Fats products, (1-3) order

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13	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Edible Oils (Mustard oil/Coconut oil/Cotton seed oil/Groundnut oil/Linseed oil/Safflower oil/Sunflower oil/Sesame Oil/Soyabean oil/Refined vegetable oil/Palm olein oil/Palm kernel oil/Almond oil/Rice bran oil)	Iodine Value	FSSAI manual of methods of Analysis of foods: Oils and Fats products, 12.0, page 26
14	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Edible Oils (Mustard oil/Coconut oil/Cotton seed oil/Groundnut oil/Linseed oil/Safflower oil/Sunflower oil/Sesame Oil/Soyabean oil/Refined vegetable oil/Palm olein oil/Palm kernel oil/Almond oil/Rice bran oil)	Saponification Value	FSSAI manual of methods of Analysis of foods: Oils and Fats products, 9.0, page 17
15	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Edible Oils (Mustard oil/Coconut oil/Cotton seed oil/Groundnut oil/Linseed oil/Safflower oil/Sunflower oil/Sesame Oil/Soyabean oil/Refined vegetable oil/Palm olein oil/Palm kernel oil/Almond oil/Rice bran oil)	Test for Argemone oil	FSSAI manual of methods of Analysis of foods: Oils and Fats products, 30.0, page 70
16	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Edible Oils (Mustard oil/Coconut oil/Cotton seed oil/Groundnut oil/Linseed oil/Safflower oil/Sunflower oil/Sesame Oil/Soyabean oil/Refined vegetable oil/Palm olein oil/Palm kernel oil/Almond oil/Rice bran oil)	Test for Castor oil	FSSAI manual of methods of Analysis of foods: Oils and Fats products, 29.0, page 68
17	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Edible Oils (Mustard oil/Coconut oil/Cotton seed oil/Groundnut oil/Linseed oil/Safflower oil/Sunflower oil/Sesame Oil/Soyabean oil/Refined vegetable oil/Palm olein oil/Palm kernel oil/Almond oil/Rice bran oil)	Test for presence of Hydrocyanic acid	FSSAI manual of methods of Analysis of foods: Oils and Fats products, 32.3, page 75
18	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Edible Oils (Mustard oil/Coconut oil/Cotton seed oil/Groundnut oil/Linseed oil/Safflower oil/Sunflower oil/Sesame Oil/Soyabean oil/Refined vegetable oil/Palm olein oil/Palm kernel oil/Almond oil/Rice bran oil)	Test for presence of mineral oil (Holde's test)	FSSAI manual of methods of Analysis of foods: Oils and Fats products, 28.1, page 66
19	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Edible Oils (Mustard oil/Coconut oil/Cotton seed oil/Groundnut oil/Linseed oil/Safflower oil/Sunflower oil/Sesame Oil/Soyabean oil/Refined vegetable oil/Palm olein oil/Palm kernel oil/Almond oil/Rice bran oil)	Unsaponifiable Matter	FSSAI manual of methods of Analysis of foods: Oils and Fats products, 10.0, page 20
20	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Edible Oils (Mustard oil/Coconut oil/Cotton seed oil/Groundnut oil/Linseed oil/Safflower oil/Sunflower oil/Soyabean oil/Refined vegetable oil/Palm olein oil/Palm kernel oil/Almond oil/Rice bran oil)	Test for Sesame oil (Modified Baudouin Test)	FSSAI manual of methods of Analysis of foods: Oils and Fats products, 15.0, page 38
21	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Fruit juice/Squash/Fruit Syrup	Test for extraneous colouring matter	FSSAI manual of methods of Analysis of foods: Food Additives, 4.0, page 82
22	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Ghee	Free Fatty Acid	FSSAI Manual of methods of analysis of foods: Milk and Milk products, 13.4, page 114
23	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Gur or Jaggery	Extraneous Matter Soluble in Water	FSSAI manual of methods of Analysis of foods: Beverages, Sugar and boiled confectionery products, 9.2, page 53

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24	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Honey	Determination of Acidity as Formic acid	FSSAI manual of methods of Analysis of foods: Beverages, Sugar and boiled confectionery products, 6.8, page 39
25	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Honey	Test for Commercial Invert Sugar	FSSAI manual of methods of Analysis of foods: Beverages, Sugar and boiled confectionery products, 6.6.1, page 37
26	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Honey/Gur or Jaggery	Ash insoluble in dil. HCl	FSSAI manual of methods of Analysis of foods: Beverages, Sugar and boiled confectionery products, 8.1, page 52
27	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Honey/Gur or Jaggery	Total Ash	FSSAI manual of methods of Analysis of foods: Beverages, Sugar and boiled confectionery products, 6.7, page 37
28	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Infant Milk Foods/Milk cereal based foods/Complementary Processed cereal based foods	Crude Fibre	FSSAI Manual of methods of analysis of foods: Milk and Milk products, 10.9, page 93
29	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Infant Milk Foods/Milk cereal based foods/Complementary Processed cereal based foods/Toned Milk/Double Toned Milk/Skimmed MIlk/Standardized Milk, Recombined Milk/Camel/Buffalo/Goat Milk/Cream Malai/Butter Milk/Sweetened Condensed Milk	Total Protein	ISI Handbook of Food Analysis SP:18 (Part-VI): 7, Page-59
30	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Liquid Milk: Raw/Sterilized/Pasteurized/Flavored/Toned/Double Toned/Standardized/ Recombined/Condensed/Sweetened/Full cream/Skimmed/Evaporated/Sweetened Condensed	Milk fat	FSSAI Manual of methods of analysis of foods: Milk and Milk products, 1.3.4.2, page 39
31	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Liquid Milk: Raw/Sterilized/Pasteurized/Flavored/Toned/Double Toned/Standardized/ Recombined/Condensed/Sweetened/Full cream/Skimmed/Evaporated/Sweetened Condensed	Test for Added Neutralizer	FSSAI manual of methods of Analysis of foods: Milk and Milk products, 1.2.11.1, page 22
32	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Liquid Milk: Raw/Sterilized/Pasteurized/Flavored/Toned/Double Toned/Standardized/ Recombined/Condensed/Sweetened/Full cream/Skimmed/Evaporated/Sweetened Condensed	Test for Added Skimmed Milk Powder	FSSAI manual of methods of Analysis of foods: Milk and Milk products, 1.2.15, page 27
33	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Liquid Milk: Raw/Sterilized/Pasteurized/Flavored/Toned/Double Toned/Standardized/ Recombined/Condensed/Sweetened/Full cream/Skimmed/Evaporated/Sweetened Condensed	Test for Added Starch	FSSAI Manual of methods of analysis of foods: Milk and Milk products, 1.2.2.1, page 11

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34	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Liquid Milk: Raw/Sterilized/Pasteurized/Flavored/Toned/Double Toned/Standardized/ Recombined/Condensed/Sweetened/Full cream/Skimmed/Evaporated/Sweetened Condensed	Test for Added Urea	FSSAI manual of methods of Analysis of foods: Milk and Milk products, 1.2.4.1, page 13
35	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Liquid Milk: Raw/Sterilized/Pasteurized/Flavored/Toned/Double Toned/Standardized/ Recombined/Condensed/Sweetened/Full cream/Skimmed/Evaporated/Sweetened Condensed	Test for Cane Sugar	FSSAI Manual of methods of analysis of foods: Milk and Milk products, 1.2.1.1, page 9
36	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Liquid Milk: Raw/Sterilized/Pasteurized/Flavored/Toned/Double Toned/Standardized/ Recombined/Condensed/Sweetened/Full cream/Skimmed/Evaporated/Sweetened Condensed	Test for Formalin	FSSAI Manual of methods of analysis of foods: Milk and Milk products, 1.2.17.1, page 28
37	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Liquid Milk: Raw/Sterilized/Pasteurized/Flavored/Toned/Double Toned/Standardized/ Recombined/Condensed/Sweetened/Full cream/Skimmed/Evaporated/Sweetened Condensed	Test for Hydrogen peroxide	FSSAI manual of methods of Analysis of foods: Milk and Milk products, 1.2.18.3, page 30
38	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Liquid Milk: Raw/Sterilized/Pasteurized/Flavored/Toned/Double Toned/Standardized/ Recombined/Condensed/Sweetened/Full cream/Skimmed/Evaporated/Sweetened Condensed	Test for Nitrates	FSSAI manual of methods of Analysis of foods: Milk and Milk products, 1.2.10, page 21
39	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Liquid Milk: Raw/Sterilized/Pasteurized/Flavored/Toned/Double Toned/Standardized/ Recombined/Condensed/Sweetened/Full cream/Skimmed/Evaporated/Sweetened Condensed	Test for Quaternary Ammonium compounds (QAC)	FSSAI Manual of methods of analysis of foods: Milk and Milk products, 1.2.13.1, page 25
40	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Liquid Milk: Raw/Sterilized/Pasteurized/Flavored/Toned/Double Toned/Standardized/ Recombined/Condensed/Sweetened/Full cream/Skimmed/Evaporated/Sweetened Condensed	Test for Sodium Chloride	FSSAI manual of methods of Analysis of foods: Milk and Milk products, 1.2.8, page 18
41	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Liquid Milk: Raw/Sterilized/Pasteurized/Flavored/Toned/Double Toned/Standardized/ Recombined/Condensed/Sweetened/Full cream/Skimmed/Evaporated/Sweetened Condensed	Test for Sulphates	FSSAI manual of methods of Analysis of foods: Milk and Milk products, 1.2.6, page 16
42	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	FSSAI manual of methods of Analysis of foods: Milk and Milk products, 1.3.3, page 36

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43	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	MIlk/Standardized Milk, Recombined Milk/Camel/Cow/Buffalo/Goat Milk	Test for presence of Salicyclic acid	FSSAI Manual of methods of analysis of foods: Milk and Milk products, 1.2.20, page 32
44	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Pan masala	Test for Magnesium carbonate	FSSAI manual of methods of Analysis of foods: Food Additives, 11.0
45	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Split Aehar/Dal/Chana Dal	Test for Added Curcumin	FSSAI manual of methods of Analysis of foods: Food Addictive, 4.1.3
46	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Tea (raw, processed, instant)	Aqueous Extract	FSSAI manual of methods of Analysis of foods: Beverages, Tea, Cocoa, Sugar and confectionery products, 1.7, page 10
47	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Tea (raw, processed, instant)	Ash insoluble in dil. HCl	FSSAI manual of methods of Analysis of foods: Beverages, Tea, Cocoa, Sugar and confectionery products, 1.5, page 8
48	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Tea (raw, processed, instant)	Crude Fibre	FSSAI manual of methods of Analysis of foods: Beverages, Tea, Cocoa, Sugar and confectionery products, 5.8, page 25
49	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Tea (raw, processed, instant)	Moisture	FSSAI manual of methods of Analysis of foods: Beverages, Tea, Cocoa, Sugar and confectionery products, 1.2, page 4
50	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Tea (raw, processed, instant)	Test for added Synthetic colouring matter	FSSAI manual of methods of Analysis of foods: Beverages, Tea, Cocoa, Sugar and confectionery products, 4.0, page 82
51	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Tea (raw, processed, instant)	Total Ash	FSSAI manual of methods of Analysis of foods: Beverages, Tea, Cocoa, Sugar and confectionery products, 1.3, page 6
52	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Tea (raw, processed, instant)	Water – insoluble Ash	FSSAI manual of methods of Analysis of foods: Beverages, Tea, Cocoa, Sugar and confectionery products, 1.4, page 7

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53	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Toned Milk/Double Toned Milk/Skimmed MIlk/Standardized Milk, Recombined Milk/Camel/Cow/Buffalo/Goat Milk	Test for Boric acid and Borates	FSSAI Manual of methods of analysis of foods: Milk and Milk products, 1.2.19.1, page 31
54	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Turmeric (Powdered and finger)	Test for Lead chromate	FSSAI manual of methods of Analysis of foods: Spicies and condiments, 16.6, page 36
55	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Whole and split Masur/Moong/Chana/Wheat/Rice/Urad/Maize/Bajra and any other food grains.	Moisture	FSSAI manual of methods of Analysis of foods: Cereals and cereals products, 2.0, page 8
56	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Whole Milk Powder/Partly Skimmed Milk Powder/Skimmed Milk Powder/Infant Milk Foods/Milk cereal based foods/Complementary Processed cereal based foods	Ash insoluble in dil. HCl	FSSAI Manual of methods of analysis of foods: Milk and Milk products, 10.8, page 91
57	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Whole Milk Powder/Partly Skimmed Milk Powder/Skimmed Milk Powder/Infant Milk Foods/Milk cereal based foods/Complementary Processed cereal based foods	Moisture	FSSAI Manual of methods of analysis of foods: Milk and Milk products, 10.2, page 86
58	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Whole Milk Powder/Partly Skimmed Milk Powder/Skimmed Milk Powder/Infant Milk Foods/Milk cereal based foods/Complementary Processed cereal based foods	Total Ash	FSSAI Manual of methods of analysis of foods: Milk and Milk products, 10.7, page 90
59	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Whole Milk Powder/Partly Skimmed Milk Powder/Skimmed Milk Powder/Infant Milk Foods/Milk cereal based foods/Complementary Processed cereal based foods	Total Fat	FSSAI Manual of methods of analysis of foods: Milk and Milk products, 10.3, page 88