National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	WEST BENGAL PUBLIC HEALTH LABORATORY, 2 CONVENT LANE, KOLKATA, WEST BENGAL, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7480	**Page No**	1 of 7
Validity	12/02/2022 to 11/02/2024	**Last Amended on**	-

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	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Chilli powder	Salmonella	FSSAI Manual General Guidance on Methods for the Detection of Salmonella- IS 5887 : Part 3
2	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	(Raw/Sterilised/Pasteurised/ Homogenised/Toned/Double toned/Mixed/Standardised/Recombined/Full Cream Milk)	Detection of Cane Sugar	FSSAI Manual of methods of analysis – milk and milk product/2016/Clause No.1.2.1/Page No.9
3	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	(Raw/Sterilised/Pasteurised/ Homogenised/Toned/Double toned/Mixed/Standardised/Recombined/Full Cream Milk)	Detection of Nitrates (pond water)	FSSAI Manual of methods of analysis – milk and milk product/2016/Clause No.1.2.10/Page No.21
4	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	(Raw/Sterilised/Pasteurised/ Homogenised/Toned/Double toned/Mixed/Standardised/Recombined/Full Cream Milk)	Detection of Sulphate salts	FSSAI Manual of methods of analysis – milk and milk product/2016/Clause No.1.2.6/Page No. 16
5	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	(Raw/Sterilised/Pasteurised/ Homogenised/Toned/Double toned/Mixed/Standardised/Recombined/Full Cream Milk)	Detection of Boric acid and Borates	FSSAI Manual of methods of analysis – milk and milk product/2016/Clause No.1.2.19/Page No. 31
6	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	(Raw/Sterilised/Pasteurised/ Homogenised/Toned/Double toned/Mixed/Standardised/Recombined/Full Cream Milk)	Detection of Cellulose	FSSAI Manual of methods of analysis – milk and milk product/2016/Clause No.1.2.3/Page No.12
7	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	(Raw/Sterilised/Pasteurised/ Homogenised/Toned/Double toned/Mixed/Standardised/Recombined/Full Cream Milk)	Detection of Glucose	FSSAI Manual of methods of analysis – milk and milk product/
8	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	(Raw/Sterilised/Pasteurised/ Homogenised/Toned/Double toned/Mixed/Standardised/Recombined/Full Cream Milk)	Detection of Maltodextrin	IS 1479 (Part 1): 2016 Methods of Test for Dairy Industry (First Revision): Page No. 13
9	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	(Raw/Sterilised/Pasteurised/ Homogenised/Toned/Double toned/Mixed/Standardised/Recombined/Full Cream Milk)	Detection of Neutralizers	FSSAI Manual of methods of analysis – milk and milk product/2016/Clause No.1.2.11/Page No.22
10	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	(Raw/Sterilised/Pasteurised/ Homogenised/Toned/Double toned/Mixed/Standardised/Recombined/Full Cream Milk)	Detection of Urea	FSSAI Manual of methods of analysis – milk and milk product/2016/Clause No.1.2.4/Page No. 13
11	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	All Types of Tea (Other than Kangra Tea)	Aqueous Extract (on dry weight basis)	FSSAI Manual of Beverage,Sugar& Sugar Product & confectionery products

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12	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	All Types of Tea (Other than Kangra Tea)	Ash insoluble in dilHCl(on dry weight basis)	FSSAI Manual of Beverage,Sugar&Sugar Product & confectionery products
13	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	All Types of Tea (Other than Kangra Tea)	Moisture	FSSAI Manual of Beverage,Sugar&Sugar Product & confectionery products
14	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	All Types of Tea (Other than Kangra Tea)	Total ash (on dry weight basis)	FSSAI Manual of Beverage,Sugar&Sugar Product & confectionery products
15	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	ATTA, MAIDA, SEMOLINA	Moisture	FSSAI Manual for cereal & cereal products
16	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	ATTA, MAIDA, SEMOLINA	Total Ash	FSSAI Manual for cereal & cereal products
17	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	ATTA,MAIDA,SEMOLINA	Acid insoluble Ash	FSSAI Manual for cereal & cereal products
18	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Besan	Acid Insoluble ash	FSSAI
19	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Besan	Total Ash	FSSAI Manual
20	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Carbonated,Non-Carbonated	Detection of Caramel natural colour	FSSAI Manualfor Food additive
21	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Carbonated,Non-Carbonated	Detection of synthetic food colour	FSSAI Manual for Food Additives
22	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Carbonated,Non-Carbonated	Total soluble solids	FSSAI Manual for Fruit & vegetable Products
23	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Chilli Powder	Crude fibre	FSSAI Manual
24	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Chilli Powder	Extraneous matter	FSSAI Manual
25	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Chilli Powder	Non-volatile ether extract on dry basis	FSSAI Manual

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26	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Chilli Powder	Presence of dirt, mould, living and dead insects, insect fragments, rodent contamination.	FSSAI Manual
27	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Chilli Powder	Test for mineral oil	FSSAI Manual
28	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Corn Flakes	Moisture	FSSAI Manual
29	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Edible oils & fats	Acid Value	FSSAI Manual for Oils & Fat
30	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Edible oils & fats	Butyro Refractometer Value	FSSAI Manual for Oils & Fat
31	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Edible oils & fats	Detection of Argemone Oil	FSSAI Manual for Oils & Fat
32	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Edible oils & fats	Detection of Mineral Oil (Holdes Test)	FSSAI Manual for Oils & Fat
33	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Edible oils & fats	Iodine Value	FSSAI Manual for Oils & Fat
34	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Edible oils & fats	Melting point of fat	FSSAI Manual for Oils & Fat
35	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Edible oils & Fats	Moisture	FSSAI Manual for Oils & Fat
36	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Edible oils & fats	Oil Soluble Synthetic Colour	FSSAI Manual for Oils & Fat
37	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Food Grains (Wheat, Maize, Jowar, Rice, Masaur, Moong, Urd. Chana, Arhar whole, Split pulses of Masur, Moong, Urd & Arhar)	Detection of Oil Soluble Colour	FSSAI Manual
38	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Food Grains (Wheat, Maize, Jowar, Rice, Masaur, Moong, Urd. Chana, Arhar whole, Split pulses of Masur, Moong, Urd & Arhar)	Detection of Synthetic Food Colour	FSSAI Manual

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39	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Food Grains (Wheat, Maize, Jowar, Rice, Masaur, Moong, Urd. Chana, Arhar whole, Split pulses of Masur, Moong, Urd & Arhar)	Moisture	FSSAI Manual
40	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Fruit Juice	Detection of synthetic food colour	FSSAI Manual for Food Additives
41	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Fruit Juice	Total soluble Solid	FSSAI Manual for Fruit & vegetable Products
42	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Milk (Raw/Sterilised/Pasteurised/ Homogenised/Toned/Double toned/Mixed/Standardised/Recombined/Full Cream Milk)	Detection of Starch	FSSAI Manual of methods of analysis – milk and milk product
43	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Milk Powder (Whole / Partly Skimmed/ Skimmed)	Fat	FSSAI Manual of methods of analysis – milk and milk product/2016/Clause 1.3.4.2/Page No.41-43
44	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Milk Powder (Whole / Partly Skimmed/ Skimmed)	Moisture	FSSAI Manual (Milk & Milk products)/2016/Clause 10.2/Page No.86-88
45	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Raw/Sterilised/Pasteurised/ Homogenised/Toned/Double toned/Mixed/Standardised/Recombined/Full Cream Milk	Detection of Ammonium Compounds	FSSAI Manual of methods of analysis – milk and milk product/2016/Clause No.1.2.13/Page No.25
46	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Raw/Sterilised/Pasteurised/ Homogenised/Toned/Double toned/Mixed/Standardised/Recombined/Full Cream Milk	Fat (Gerber method)	FSSAI Manual of methods of analysis – milk and milk product/2016/Clause No.1.3.4.1/Clause 1.3.4.2/Page No.37-41
47	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Raw/Sterilised/Pasteurised/ Homogenised/Toned/Double toned/Mixed/Standardised/Recombined/Full Cream Milk	Fat (Rose-Gottlieb method)	FSSAI Manual of methods of analysis – milk and milk product/2016/Clause No.1.3.4.1/Clause 1.3.4.2/Page No.37-41
48	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Raw/Sterilised/Pasteurised/ Homogenised/Toned/Double toned/Mixed/Standardised/Recombined/Full Cream Milk	Solid-Not-Fat	FSSAI Manual of methods of analysis – milk and milk product/2016/Clause No.1.3.3/Page No.36-37 & FSSAI Manual of methods of analysis – milk and milk product/2016/Clause No. 1.3.4.1/Clause 1.3.4.2/Page No.37-41

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49	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Raw/Sterilised/Pasteurised/ Homogenised/Toned/Double toned/Mixed/Standardised/Recombined/Full Cream Milk	Total solid	FSSAI Manual of methods of analysis – milk and milk product/2016/Clause No.1.3.3/Page No.36-37
50	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Ready to Serve Fruit Drink ,Fruit Nectar ,Fruit Pulp ,Fruit Syrup	Detection of synthetic food colour	FSSAI Manual for Food Additives
51	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Ready to Serve Fruit Drink Fruit Nectar Fruit Pulp Fruit Syrup	Total soluble Solid	FSSAI Manual for Fruit & vegetable Products
52	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Sauce	Detection of Synthetic Food Colour	FSSAI Manual
53	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Sauce	Total soluble Solid (Salt Free Basis)	FSSAI Manual for Fruit & vegetable Products
54	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Whole & Powdered Spices	Ash insoluble in dilute HCl(on dry weight basis)	FSSAI Manual for Spices & Condiments
55	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Whole & Powdered Spices	Detection of oil soluble colour	FSSAI Manual for Food Additives
56	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Whole & Powdered Spices	Detection of synthetic food colour	FSSAI Manual for Food Additives
57	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Whole & Powdered Spices	Moisture (Toluene distillation)	FSSAI Manual for Spices & Condiments
58	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Whole & Powdered Spices	Total ash (on dry weight basis)	FSSAI Manual for Spices & Condiments
59	CHEMICAL- RESIDUES IN FOOD PRODUCTS	Chilli Powder	Sulfur dioxide	WBPHL/SOP-212/Method /HPLC
60	CHEMICAL- WATER	Drinking Water	pH	FSSAI Manual for Analysis of Water
61	CHEMICAL- WATER	Drinking Water	Alkalinity (as HCO3)	FSSAI Manual for Analysis of Water
62	CHEMICAL- WATER	Drinking Water	Cadmium	FSSAI Manual.
63	CHEMICAL- WATER	Drinking Water	Calcium	FSSAI Manual for Analysis of Water/2016/Page No.144

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64	CHEMICAL- WATER	Drinking Water	Chloride	FSSAI Manual for Analysis of Water
65	CHEMICAL- WATER	Drinking Water	Magnesium	FSSAI Manual
66	CHEMICAL- WATER	Drinking Water	Magnesium	FSSAI Manual for Analysis of Water
67	CHEMICAL- WATER	Drinking Water	Mercury	FSSAI Manual
68	CHEMICAL- WATER	Drinking Water	Nickel	FSSAI Manual
69	CHEMICAL- WATER	Drinking Water	Odour	FSSAI Manual for Analysis of Water
70	CHEMICAL- WATER	Drinking Water	Selenium	FSSAI Manual
71	CHEMICAL- WATER	Drinking Water	Total Hardness	FSSAI Manual for Analysis of Water
72	CHEMICAL- WATER	Ground Warer	Magnesium	FSSAI Manual
73	CHEMICAL- WATER	Ground Water	Alkalinity (as HCO3)	FSSAI Manual
74	CHEMICAL- WATER	Ground Water	Cadmium	FSSAI Manual
75	CHEMICAL- WATER	Ground Water	Calcium	FSSAI Manual for Analysis of Water
76	CHEMICAL- WATER	Ground Water	Chloride	FSSAI Manual for Analysis of Water
77	CHEMICAL- WATER	Ground Water	Magnesium	FSSAI Manual for Analysis of Water
78	CHEMICAL- WATER	Ground Water	Mercury	FSSAI Manual
79	CHEMICAL- WATER	Ground Water	Nickel	FSSAI Manual
80	CHEMICAL- WATER	Ground Water	Odour	FSSAI Manual for Analysis of Water
81	CHEMICAL- WATER	Ground Water	pH	FSSAI Manual for Analysis of Water
82	CHEMICAL- WATER	Ground Water	Selenium	FSSAI Manual
83	CHEMICAL- WATER	Ground Water	Total Hardness	FSSAI Manual
84	CHEMICAL- WATER	Packaged Drinking Water	Alkalinity (as HCO3)	FSSAI Manual for Analysis of Water
85	CHEMICAL- WATER	Packaged Drinking Water	Cadmium	FSSAI Manual
86	CHEMICAL- WATER	Packaged Drinking Water	Calcium	FSSAI Manual for Analysis of Water

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87	CHEMICAL- WATER	Packaged Drinking Water	Chloride	FSSAI Manual for Analysis of Water
88	CHEMICAL- WATER	Packaged Drinking Water	Magnesium	FSSAI Manual
89	CHEMICAL- WATER	Packaged Drinking Water	Magnesium	FSSAI Manual for Analysis of Water
90	CHEMICAL- WATER	Packaged Drinking Water	Mercury	FSSAI Manual
91	CHEMICAL- WATER	Packaged Drinking Water	Nickel	FSSAI Manual
92	CHEMICAL- WATER	Packaged Drinking Water	Odour	FSSAI Manual for Analysis of Water/ 2016/Page No.15
93	CHEMICAL- WATER	Packaged Drinking Water	pH	FSSAI Manual for Analysis of Water
94	CHEMICAL- WATER	Packaged Drinking Water	Selenium	FSSAI Manual
95	CHEMICAL- WATER	Packaged Drinking Water	Total hardness	FSSAI Manual for Analysis of Water

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.