National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : REGIONAL FOOD RESEARCH AND ANALYSIS CENTRE, 2-SAPRU MARG, LUCKNOW, UTTAR PRADESH, INDIA

Accreditation Standard ISO/IEC 17025:2017

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Validity 16/06/2021 to 15/06/2023 **Last Amended on** 14/08/2021

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- ANIMAL FOOD & FEED	Animal feed	Total Plate Count	IS 5402
2	BIOLOGICAL- ANIMAL FOOD & FEED	Animal Feed	Yeast and Moulds	IS 5403
3	BIOLOGICAL- ANIMAL FOOD & FEED	Animal Food	Yeast and Moulds	IS 5403
4	BIOLOGICAL- ANIMAL FOOD & FEED	Others	Coliforms	IS 5401 Part 1
5	BIOLOGICAL- ANIMAL FOOD & FEED	Others	Enterobacteriaceae	ISO 21528-2
6	BIOLOGICAL- ANIMAL FOOD & FEED	Poultry Feed	Coliforms	IS 5401 Part 1
7	BIOLOGICAL- ANIMAL FOOD & FEED	Poultry Feed	Escherichia coli	IS 5887 Part 1
8	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Biscuits	Coliform	IS:5401 (P-1)2002
9	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Biscuits	Total Plate Count	IS:5402
10	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Biscuits	Yeast and Mould	IS:5403:1999
11	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Bread	Coliform	IS:5401 (P-2)
12	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Bread	E.Coli	IS:5887 (P-2)1976
13	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Cereals	Total Plate Count	IS:5402
14	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Cereals	Yeast and Mould	IS:5403:1999
15	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Cooked Dal	E.coli	IS:5887 (P-1)1976

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16	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Garam Masala	E.Coli	IS:5887(P-1):1976
17	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Garam Masala	Total Plate Count	IS:5402
18	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Garam Masala	Yeast and Mould	IS:5403:1999
19	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Juice	Yeast and Mould	IS:5403:1999
20	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Juices	Total Plate Count	IS:5402
21	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Meat Masala	Coliform	IS:5401 (P-1)
22	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Meat masala	Coliform	IS:5401(P-2)
23	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Paneer	Coliform	IS:5401 (P-2)
24	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Paneer	Total Plate Count	IS:5402
25	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Paneer	Yeast and Mould	IS:5401 (P-1)
26	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Pulses	Coliform	IS:5401 (P-2)
27	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Sauce	Coliform	IS:5401 (P-1)
28	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Sauce	Coliform	IS:5401(P-2)
29	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Soy Milk	Coliform	IS:5401(P-1)

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30	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Veg salad	E.Coli	IS:5887(P-1):1976
31	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Weaning Food	E.coli	IS:5887 (P-1)1976
32	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Weaning Food	Total Plate count	IS:5402
33	BIOLOGICAL- WATER	Irrigation Water	Coliform	IS:5401 (P-1)
34	BIOLOGICAL- WATER	Irrigation Water	E.coli	IS:5887(P-1)1976
35	BIOLOGICAL- WATER	Irrigation Water	Yeast and Mould	IS:5403:1999
36	BIOLOGICAL- WATER	Mineral Water	Total Plate Count at 37 / 24h	IS:5402
37	CHEMICAL- ANIMAL FOOD & FEEDS	Cattle Feed	Acid insoluble Ash	IS:7874:1975
38	CHEMICAL- ANIMAL FOOD & FEEDS	Cattle Feed	Moisture	IS:7874:1975
39	CHEMICAL- ANIMAL FOOD & FEEDS	Cattle Feed	Protein (N x 6.25)	IS:7874:1975 (P-1)
40	CHEMICAL- ANIMAL FOOD & FEEDS	Cattle Feed	Total Ash (dry wt. basis)	IS:7874:1975
41	CHEMICAL- ANIMAL FOOD & FEEDS	Cattle Feed	Total Fat	IS:7874:1975
42	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Bakery (BreadBiscuits/ CookiesCakes/Muffins Puffs/Bun)	Acidity of extracted fat (as Oleic acid)	IS 12711
43	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Besan	Acid insoluble Ash	FSSAI Manual (8.3)
44	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Biscuit	Acid insoluble Ash	IS: 12711: 1989
45	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Biscuit	Total Fat	IS:12711:1989
46	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Bread	Moisture	IS:12711:1989

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47	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Bun	Protein (N x 6.25)	IS:7219 :1973
48	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Honey	Acidity	IS:4941:1994
49	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	honey	Carbohydrate	IS 1656
50	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Honey	Chlorophyll	FSSAI Lab Manual-Food Additives: (4.1.5)
51	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Honey	Extraneous matter	IS 4941 : 1994
52	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Honey	Fiehe's test	IS:4941:1994
53	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Honey	Glucose/ Fructose ratio	Is 4941:1994
54	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Honey	HMF	is 4941:1994
55	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Honey	Moisture	IS:4941:1994
56	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Honey	Pollens and plant element	IS 4941:1994
57	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Honey	Reducing sugars	IS 4941:1994
58	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Honey	Refractive index	iS 4941:1994
59	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Honey	Specific gravity	IS 4941:1994
60	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Honey	Sucrose	is 4941:1994

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61	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Honey	Total Ash (dry wt. basis)	IS:4941:1994
62	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Honey And Honey product,Honey jam ,Honey drink,Maple product	Carbohydrate	IS 1656
63	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Honey Products	Acid Insoluble Ash	is 4941:1994
64	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Honey Products	Aniline Chloride test	FSSAI Manual of BEVERAGES (COFFEE, TEA, COCOA, CHICORY) SUGAR AND SUGAR PRODUCTS & CONFECTIONERY PRODUCTS:(6.6.2)
65	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Honey Products	Annatto	FSSAI Lab Manual-Food Additives: : (4.1.4)
66	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Honey Products	Ash	IS 4941
67	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Honey Products	Caramel	FSSAI Lab Manual-Food Additives :(4.1.1)
68	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Honey Products	Colour	IS 4941:1994
69	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Honey Products	Curcumin	FSSAI Lab Manual Food Additives: 2016 (4.1.3)
70	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Honey Products	Energy	IS 4941:1994
71	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Honey Products	Fat	IS 6287
72	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Honey Products	Flavour	IS 4941:1994
73	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Honey Products	Fragments of insects	IS 4941

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74	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Honey Products	Fructose	IS 4941:1994
75	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Honey Products	Glucose	is 4941:1994
76	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Honey Products	Protein	IS 7219:1973
77	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Honey Products	Taste	IS 4941:1994
78	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Juice	Titrable Acidity as citric acid	FSSAI Manual 5, Fruits and Vegetable (2.4)
79	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Liquid Milk: Raw/Sterilized/Pasteurized/Flavored/Toned/Double Toned/Standardized/ Recombined/Condensed/Sweetened/Full cream/Skimmed/Evaporated/Sweetened Condensed	Foreign Fat in Milk	FSSAI MANUAL, MILK &MILK PRODUCTS (1.2.9
80	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Liquid Milk: Raw/Sterilized/Pasteurized/Flavored/Toned/Double Toned/Standardized/ Recombined/Condensed/Sweetened/Full cream/Skimmed/Evaporated/Sweetened Condensed	Skimmed milk powder in Milk	FSSAI MANUAL, MILK &MILK PRODUCTS (1.2.15)
81	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Meat Masala	Ash insoluble in dilute HCL	FSSAI Manual Spices and condiments : (5.0)
82	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Milk	Cane Sugar	FSSAI Manual Milk and Milk Products(1.2.1)
83	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Milk	milk Fat	FSSAI Manual Milk and Milk Products (1.2.9.1)
84	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Milk	Starch	FSSAI Manual Milk and Milk products:(1.2.2.1)
85	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Milk	Titrable Acidity as Lactic Acid	FSSAI Manual Milk and Milk Products (9.5)

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86	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Milk	Total Solids	FSSAI Manual Milk and Milk Products (1.3.3)
87	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Milk Powder	Moisture	FSSAI Manual Milk and Milk Products: 2017(1.3.3)
88	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Red Chilly Powder	Alcohol Soluble Extract	FSSAI Manual Spices and Condiments: (7.0)
89	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Red Chilly Powder	Cold Water Soluble Extract	FSSAI Manual Spices and Condiments (:6.0)
90	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Rice	Total Fat	IS:12711:1989
91	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	RTS	pH	FSSAI Manual 5, Fruit and Vegetable (2.3)
92	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Rusk	Total Ash on dry wt. basis	IS:12711:1989
93	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Sevai	Protein (N x 5.83)	IS:7219:1973
94	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Sevai	Total Ash (dry wt. basis)	FSSAI Manual for Cereal and (8.2) cereal products
95	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Spices	Moisture	FSSAI Manual, Spices & Condiments(3.0)
96	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Spices	Total Ash (dry basis)	FSSAI Manual, Spices & Condiments (4.0)
97	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Spices	Volatile Oil	FSSAI Manual, Spices & Condiments (10.0)
98	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Tomato Sauce	Total Soluble Solids (degree Brix)	FSSAI Manual 5, Fruit and Vegetable:(1.6)
99	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Veg Salad	Moisture	FSSAI Manual 5, Fruits and Vegetable 4.1

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100	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Veg Salad	Total Ash on dry basis	FSSAI Manual 5, Fruits and Vegetable:(11.3)
101	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Veg Sauce	Protein (N x 6.25)	IS:7219:1973
102	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Weaning Food	Acid insoluble Ash	IS:14433:1997
103	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Weaning Food	Moisture	FSSAI Manual for Milk and Milk products(1.3.3)
104	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Weaning Food	Protein (N x 6.35)	IS:7219:1973
105	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Weaning Food	Total Ash (dry wt. basis)	IS:14433:1997
106	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Wheat Flour	Gluten (dry wt. basis)	FSSAI Manual for cereal and cereal products (8.4)
107	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Wheat Flour	Moisture	FSSAI Manual for cereal and cereal products: (2.0)
108	CHEMICAL- POLLUTION & ENVIRONMENT	Water	Total Dissolved Solids	IS:3025: 1986(P-16)
109	CHEMICAL- WATER	Borewell	Total Alkalinity	IS:3025 (P-23)
110	CHEMICAL- WATER	Borewell Water	Calcium Hardness as CaCO3	IS:3025 (P-21)
111	CHEMICAL- WATER	Borewell Water	Chloride as cl	IS:3025 (P-32)
112	CHEMICAL- WATER	Water	Chloride as Cl	IS:3025:1986 (P-32)
113	CHEMICAL- WATER	Water	Total Alkalinity as CaCo3	IS:3025:1986 (P-23)
114	CHEMICAL- WATER	Water	Total Dissolved Solids	IS:3025:1986
115	CHEMICAL- WATER	Water	Total Hardness CaCo3	IS:3025:1986 (P-21)