



National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



SCOPE OF ACCREDITATION

Laboratory Name OMEGA TEST HOUSE, J-889, PHASE -III, JAIPUR, RAJASTHAN, INDIA
 Accreditation Standard ISO/IEC 17025:2017
 Certificate Number TC-7331 Page No. : 1 / 24
 Validity 01/01/2019 to 31/12/2020 Last Amended on -

S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
Permanent Facility					
1	BIOLOGICAL- ENVIRONMENT AND POLLUTION	Environment Monitoring	Total Plate Count	SOP No-QCOI029 03 Feb 19: 2018	10 CFU/Plate to 100 CFU/Plate
2	BIOLOGICAL- ENVIRONMENT AND POLLUTION	Environment Monitoring	Yeast & Mold Count	SOP No-QCOI029 03 Feb 19: 2018	Qualitative
3	BIOLOGICAL- ENVIRONMENT AND POLLUTION	Equipment Swab	Coliform Count	ISO 18593: 2004	10 CFU/Swab to 500 CFU/Swab
4	BIOLOGICAL- ENVIRONMENT AND POLLUTION	Equipment Swab	E.coli	IS 5887(P-1): 2005	Qualitative
5	BIOLOGICAL- ENVIRONMENT AND POLLUTION	Equipment Swab	Salmonella	IS 5887(P-3): 2005	Qualitative
6	BIOLOGICAL- ENVIRONMENT AND POLLUTION	Equipment Swab	Staphylococcus aureus	IS 5887(P-2): 2005	Qualitative
7	BIOLOGICAL- ENVIRONMENT AND POLLUTION	Equipment Swab	Total Plate Count	ISO18593: 2004	10 CFU/Swab to 1000 CFU/Swab
8	BIOLOGICAL- ENVIRONMENT AND POLLUTION	Equipment Swab	Yeast & Mold Count	ISO 18593: 2004	10 CFU/Swab to 200 CFU/Swab
9	BIOLOGICAL- ENVIRONMENT AND POLLUTION	Hand Swab	Coliform Count	ISO 18593: 2004	10 CFU/Swab to 500 CFU/Swab



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Permanent Facility					
10	BIOLOGICAL- ENVIRONMENT AND POLLUTION	Hand Swab	E.coli	IS 5887(P-): 2005	Qualitative
11	BIOLOGICAL- ENVIRONMENT AND POLLUTION	Hand Swab	Salmonella	IS 5887(P-3): 2005	Qualitative
12	BIOLOGICAL- ENVIRONMENT AND POLLUTION	Hand Swab	Staphylococcus aureus	IS 5887 (P-2): 2005	Qualitative
13	BIOLOGICAL- ENVIRONMENT AND POLLUTION	Hand Swab	Yeast & Mold Count	ISO18593: 2004	10 CFU/Swab to 200 CFU/Swab
14	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Bakery & Confectionery Products	Bacillus cereus	IS 5887 (P-6): 2012	1 CFU/gm to 200 CFU/gm
15	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Bakery & Confectionery Products	Coliform Counts	IS 5401 (P-1): 2012	1 CFU/gm to 10,000 CFU/gm
16	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Bakery & Confectionery Products	E.coli	IS 5887 (P-1): 2005	Qualitative
17	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Bakery & Confectionery Products	Faecal streptococci	IS 5887(P-2): 2005	1 CFU/gm to 1000 CFU/gm
18	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Bakery & Confectionery Products	Salmonella	IS 5887(P-3): 2005	Qualitative



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Permanent Facility					
19	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Bakery & Confectionery Products	Shigella	IS 5887 (P-7): 2005	Qualitative
20	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Bakery & Confectionery Products	Staphylococcus aureus	IS 5887 (P-2): 2005	Qualitative
21	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Bakery & Confectionery Products	Total Plate Count	IS 5402: 2012	1 CFU/gm to 100,000 CFU/gm
22	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Bakery & Confectionery Products	Yeast & Mold Count	IS 5403: 2002	1 CFU/gm to 1000 CFU/gm
23	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Cereal & Pulses Products	Bacillus cereus	IS 5887(P-6): 2012	1 CFU/gm to 200 CFU/gm
24	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Cereal & Pulses Products	Coliform Counts	IS 5401(P-1): 2012	1 CFU/gm/ ml to 10,000 CFU/gm/ ml
25	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Cereal & Pulses Products	E.coli	IS 5887(P-1): 2005	Qualitative
26	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Cereal & Pulses Products	Faecal streptococci	IS 5887(P-2): 2005	1 CFU/gm to 1000 CFU/gm
27	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Cereal & Pulses Products	Salmonella	IS 5887(P-3): 2005	Qualitative



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Permanent Facility					
28	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Cereal & Pulses Products	Shigella	IS 5887(P-7): 2005	Qualitative
29	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Cereal & Pulses Products	Staphylococcus aureus	IS 5887(P-2): 2005	Qualitative
30	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Cereal & Pulses Products	Yeast & Mold Count	IS 5403: 2002	1 CFU/gm to 1000 CFU/gm
31	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Cereal, Pulses Products	Total Plate Count	IS 5402: 2012	1 CFU/gm to 100,000 CFU/gm
32	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Fruits & Fruit Products	Bacillus cereus	IS 5887 (P-6): 2012	1 CFU/gm/ ml to 200 CFU/gm/ ml
33	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Fruits & Fruit Products	Coliform Counts	IS 5401 (P-1): 2012	1 CFU/gm/ ml to 100,000 CFU/gm/ ml
34	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Fruits & Fruit Products	E.coli	IS 5887(P-1): 2005	Qualitative
35	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Fruits & Fruit Products	Faecal streptococci	IS 5887(P-2): 2005	1 CFU/gm/ ml to 1000 CFU/gm/ ml
36	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Fruits & Fruit Products	Salmonella	IS 5887(P-3): 2005	Qualitative



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Permanent Facility					
37	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Fruits & Fruit Products	Shigella	IS 5887(P-7): 2005	Qualitative
38	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Fruits & Fruit Products	Staphylococcus aureus	IS 5887(P-2): 2005	Qualitative
39	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Fruits & Fruit Products	Yeast & Mold Count	IS 5403: 2002	1 CFU/gm/ ml to 10,000 CFU/gm/ ml
40	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Fruits & Fruits Products	Total Plate Count	IS 5402: 2012	1 CFU/gm/ ml to 100,00,000 CFU/gm/ ml
41	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Herbs, Spices & Condiments	Bacillus cereus	IS 5887(P-6): 2012	1 CFU/gm to 200 CFU/gm
42	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Herbs, Spices & Condiments	Coliform Count	IS 5401 (P-1): 2012	1 CFU/gm to 10,000 CFU/gm
43	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Herbs, Spices & Condiments	E.coli	IS 5887(P-10): 2005	Qualitative
44	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Herbs, Spices & Condiments	Faecal Streptococci	IS 5887 (P-2): 2005	1 CFU/gm to 1000 CFU/gm
45	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Herbs, Spices & Condiments	Salmonella	IS 5887(P-3): 2005	Qualitative



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Permanent Facility					
46	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Herbs, Spices & Condiments	Shigella	IS5887(P-7): 2005	Qualitative
47	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Herbs, Spices & Condiments	Staphylococcus aureus	IS 5887 (P-2): 2005	Qualitative
48	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Herbs, Spices & Condiments	Total Plate Count	IS 5402: 2012	1 CFU/gm to 100,000 CFU/gm
49	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Herbs, Spices & Condiments	Yeast & Mold Count	IS 5403: 2002	1 CFU/gm to 1000 CFU/gm
50	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Milk & Milk Products	Bacillus cereus	IS 5887 (P-6): 2012	1 CFU/gm to 200 CFU/gm
51	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Milk & Milk Products	Coliform Count	IS 5401 (P-1): 2012	1 CFU/gm to 10,000 CFU/gm
52	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Milk & Milk Products	E.coli	IS 5887(P-1): 2005	Qualitative
53	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Milk & Milk Products	Faecal streptococci	IS 5887(P-2): 2005	1 CFU/gm to 1000 CFU/gm
54	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Milk & Milk Products	Salmonella	IS5887(P-3): 2005	Qualitative



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Permanent Facility					
55	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Milk & Milk Products	Shigella	IS 5887(P-7): 2005	Qualitative
56	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Milk & Milk Products	Staphylococcus aureus	IS 5887(P-2): 2005	Qualitative
57	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Milk & Milk Products	Total Plate Count	IS 5402: 2012	1 CFU/gm to 100000 CFU/gm
58	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Milk & Milk Products	Yeast & Mold Count	IS 5403: 2002	1 CFU/gm to 1000 CFU/gm
59	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Ready To Eat Food & Cooked Food	Salmonella	IS 5887(P-3): 2005	Qualitative
60	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Ready to Eat Food & Cooked Food	Coliform Counts	IS 5401(P-1): 2012	1 CFU/gm/ ml to 10,000 CFU/gm/ ml
61	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Ready to Eat Food & Cooked Food	E.coli	IS 5887(P-1): 2005	Qualitative
62	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Ready to Eat Food & Cooked Food	Faecal Streptococci	IS5887(P-2): 2005	1 CFU/gm/ ml to 1000 CFU/gm/ ml
63	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Ready to Eat Food & Cooked Food	Shigella	IS 5887 (P-7): 2005	Qualitative



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Permanent Facility					
64	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Ready to Eat Food & Cooked Food	Staphylococcus aureus	IS 5887(P-2): 2005	Qualitative
65	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Ready to Eat Food & Cooked Food	Total Plate Count	IS 5402: 2012	1 CFU/gm/ ml to 100,000 CFU/gm/ ml
66	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Ready to Eat Food & Cooked Food	Yeast & Mold Count	IS 5403: 2002	1 CFU/gm/ ml to 1000 CFU/gm/ ml
67	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Vegetable & Vegetable Products	Bacillus cereus	IS 5887 (P-6): 2012	1 CFU/gm/ ml to 200 CFU/gm/ ml
68	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Vegetable & vegetable Products	Coliform Count	IS 5401(P-1): 2012	1 CFU/gm/ ml to 100,000 CFU/gm/ ml
69	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Vegetable & Vegetable Products	E.coli	IS 5887 (P-1): 2005	Qualitative
70	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Vegetable & Vegetable Products	Faecal streptococci	IS 5887 (P-2): 2005	1 CFU/gm/ ml to 1000 CFU/gm/ ml
71	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Vegetable & Vegetable Products	Salmonella	IS 5887(P-3): 2005	Qualitative
72	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Vegetable & Vegetable Products	Shigella	IS 5887 (P-7): 2005	Qualitative



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Permanent Facility					
73	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Vegetable & Vegetable Products	Staphylococcus aureus	Is5887 P(-2): 2005	Qualitative
74	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Vegetable & vegetable Products	Total Plate Count	IS 5402: 2012	1 CFU/gm/ ml to 100,00,00 CFU/gm/ ml
75	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Vegetable & Vegetable Products	Yeast & Mold Count	IS 5403: 2002	1 CFU/gm/ ml to 10,000 CFU/gm/ ml
76	BIOLOGICAL- WATER	Drinking Water	Coliform	IS1622: 2009	Qualitative
77	BIOLOGICAL- WATER	Drinking Water	E.coli	IS 1622: 2009	Qualitative
78	BIOLOGICAL- WATER	Packaged Drinking Water	Coliform	IS 15185: 2016	Qualitative
79	BIOLOGICAL- WATER	Packaged Drinking Water	E.coli	IS 14543, IS 15185: 2016	Qualitative
80	BIOLOGICAL- WATER	Packaged Drinking Water	Faecal Streptococci	IS 15186: 2002	Qualitative
81	BIOLOGICAL- WATER	Packaged Drinking Water	Pseudomonas aeruginosa	IS 13428 Annx-D: 2009	Qualitative
82	BIOLOGICAL- WATER	Packaged Drinking Water	Salmonella	IS15187: 2016	Qualitative
83	BIOLOGICAL- WATER	Packaged Drinking Water	Shigella	IS 5887(P-7): 2005	Qualitative
84	BIOLOGICAL- WATER	Packaged Drinking Water	Staphylococcus aureus	IS 5887 (P-2): 2005	Qualitative
85	BIOLOGICAL- WATER	Packaged Drinking Water	Yeast & Mold Count	IS 5403: 2005	10 CFU/ml to 50 CFU/ml



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Permanent Facility					
86	BIOLOGICAL- WATER	Packaged natural Drinking Water	Coliform	IS 15185: 2016	Qualitative
87	BIOLOGICAL- WATER	Packaged Natural Drinking Water	E.coli	IS 15185: 2016	Qualitative
88	BIOLOGICAL- WATER	Packaged Natural Drinking Water	Faecal Streptococci	IS 15186: 2002	Qualitative
89	BIOLOGICAL- WATER	Packaged Natural Drinking Water	Pseudomonas aeruginosa	IS 13428 Annx-D: 2009	Qualitative
90	BIOLOGICAL- WATER	Packaged Natural Drinking Water	Salmonella	IS 15187: 2016	Qualitative
91	BIOLOGICAL- WATER	Packaged Natural Drinking Water	Shigella	IS 5887(P-7): 2005	Qualitative
92	BIOLOGICAL- WATER	Packaged Natural Drinking Water	Staphylococcus aureus	IS 5887 P-2: 2005	Qualitative
93	BIOLOGICAL- WATER	Packaged Natural Drinking Water	Total plate Count	IS 5402: 2012	10 CFU/ml to 100 CFU/ml
94	BIOLOGICAL- WATER	Packaged Natural Drinking Water	Yeast & Mold Count	IS 5403: 2005	10 CFU/ml to 50 CFU/ml
95	BIOLOGICAL- WATER	Swimming Pool Water	Coliform	IS 1622: 2009	Qualitative
96	BIOLOGICAL- WATER	Swimming Pool Water	E.coli	IS1622: 2009	Qualitative
97	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Nitrogen Dioxide as NO ₂	IS 5182 (P-6): 2006	6 µg/m ³ to 750 µg/m ³
98	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	PM ₁₀	IS 5182 (P-23): 2006	3.5 µg/m ³ to 1000 µg/m ³



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Permanent Facility					
99	CHEMICAL-ATMOSPHERIC POLLUTION	Ambient Air	PM2.5	SOP no. QCOI015 01 jul 25: 2018	10 µg/m ³ to 1000 µg/m ³
100	CHEMICAL-ATMOSPHERIC POLLUTION	Ambient Air	Sulphur Dioxide asSO ₂	IS 5182 (P-2): 2006	2 µg/m ³ to 750 µg/m ³
101	CHEMICAL-ATMOSPHERIC POLLUTION	Ambient Air	Suspended Particulate Matter	IS 5182(P-4): 1999	10 µg/m ³ to 1000 µg/m ³
102	CHEMICAL-ATMOSPHERIC POLLUTION	Ambient Noise/ Source Noise	Noise Level Measurement: Leq	IS 9989: 2001	30 dB(A) to 130 dB(A)
103	CHEMICAL-ATMOSPHERIC POLLUTION	Stack Monitoring	CO ₂	SOP QCOI 061 01 nov 05 : 2016	0.2 % to 20 %
104	CHEMICAL-ATMOSPHERIC POLLUTION	Stack Monitoring	CO	SOP no QCOI06 01 Nov 11: 2016	0.0001 % to 0.5 %
105	CHEMICAL-ATMOSPHERIC POLLUTION	Stack Monitoring	Nitrogen Dioxide as NO ₂	IS 11255 (P-7): 2005	1 mg/m ³ to 1000 mg/m ³
106	CHEMICAL-ATMOSPHERIC POLLUTION	Stack monitoring	O ₂	SOP QCOI06 01 Nov 11: 2016	0.2 % to 20 %
107	CHEMICAL-ATMOSPHERIC POLLUTION	Stack Monitoring	Particulate Matter	IS 11255 (P-1): 2001	5 mg/m ³ to 500 mg/m ³



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108	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Monitoring	Sulphur Dioxide as SO ₂	IS 11255 (P-2): 2003	2.6 mg/m ³ to 100 mg/m ³
109	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Bread , Bakery& ConfectionaryProducts	Alcoholic Acidity as H ₂ SO ₄ (Dry Basis)	IS 12711: 2010	0.01 g/100g to 2.0 g/100g
110	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Bread , Bakery& ConfectionaryProducts	Calorific Value	SOP No QCOIF001 01 Oct 07 : 2017	50 Kcal/100g to 1000 Kcal/100g
111	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Bread , Bakery& ConfectionaryProducts	Carbohydrate	SOP No QCOIF023 01 Jan 22: 2018	10 g/100g to 70 g/100g
112	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Bread , Bakery& ConfectionaryProducts	Fat	IS12711: 2010	5 g/100g to 50 g/100g
113	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Bread , Bakery& ConfectionaryProducts	Moisture Content	IS 12711: 2010	0.1 % to 30 %
114	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Bread , Bakery& ConfectionaryProducts	pH	IS 12711: 2010	1 to 14
115	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Bread , Bakery& ConfectionaryProducts	Protein (NX6.25)	IS 7219: 2010	1.0 g/100g to 20 g/100g
116	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Bread , Bakery& ConfectionaryProducts	Total Ash (Dry Basis)	IS 12711: 2010	0.1 g/100g to 3 g/100g



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117	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Ghee	Acid Value	IS 3508: 1995	0.1 to 2.0
118	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Ghee	Free Fatty Acid as Oleic Acid	IS 3508: 1995	0.1 g/100g to 1.0 g/100g
119	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Ghee	Moisture	IS 3508: 1995	0.05 % to 20 %
120	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Honey	Acidity	IS 4941: 2014	0.03 % to 0.4 %
121	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Honey	Ash	IS 4941: 2014	0.05 g/100g to 2.0 g/100g
122	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Honey	Specific Gravity at 27°C	IS 4941: 2014	1 to 2
123	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Honey	Total Reducing Sugar	IS 4941: 2014	0.1 g/100g to 80 g/100g
124	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Nuts & Nuts Products	Acid Insoluble Ash (Dry Basis)	IS 4684: 2010	0.05 g/100g to 10 g/100g
125	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Nuts & Nuts Products	Acid Value of Extracted Fat	IS 4684: 2010	0.1 to 5.0



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Permanent Facility					
126	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Nuts & Nuts Products	Calorific Value	SOP No QCOIF001 01 Oct 07 : 2017	50 Kcal/100g to 1000 Kcal/100g
127	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Nuts & Nuts Products	Carbohydrate	SOP No QCOIF023 01 Jan 01: 2018	10 g/100g to 70 g/100g
128	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Nuts & Nuts Products	Fat	IS 4684: 2010	5 g/100g to 50 g/100g
129	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Nuts & Nuts Products	Moisture Content	IS 4684: 2010	0.5 % to 20.0 %
130	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Nuts & Nuts Products	Protein (NX6.25)	IS 4684: 2010	1.0 g/100g to 30.0 g/100g
131	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Nuts & Nuts Products	Total Ash (Dry Basis)	IS 4684: 2010	0.02 g/100g to 10 g/100g
132	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Soyabean Oil, Mustard Oil, Ground Nut Oil, Pamoline Oil, Palm Oil	Acid Value	IS 548: 2010	0.1 to 4.0
133	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Soyabean Oil, Mustard Oil, Ground Nut Oil, Pamoline Oil, Palm Oil	Free Fatty Acid as Oleic Acid	IS 548(P-1): 2010	0.01 g/100g to 2.0 g/100g
134	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Soyabean Oil, Mustard Oil, Ground Nut Oil, Pamoline Oil, Palm Oil	Iodine Value	IS 548 (P-1): 2010	90 to 170



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135	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Soyabean Oil, Mustard Oil, Ground Nut Oil, Pamoline Oil, Palm Oil	Moisture	IS 548 (P-1): 2010	0.05 % to 1.0 %
136	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Soyabean Oil, Mustard Oil, Ground Nut Oil, Pamoline Oil, Palm Oil	Saponification Value	IS 548 (P-1): 2010	100 to 250
137	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Soyabean Oil, Mustard Oil, Ground Nut Oil, Pamoline Oil, Palm Oil	Specific Gravity at 30°C	IS 548 (P-1): 2010	0.6 to 1.1
138	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Soyabean Oil, Mustard Oil, Ground Nut Oil, Pamoline Oil, Palm Oil	Unsaponification Matter	IS 548 (P-1): 2010	0.6 % to 1.1 %
139	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Spices & Condiments (Pepper, Turmeric, Chilies, ginger, Coriander, Cumin, Cardamom, Fenugreek)	Acid insoluble Ash (Dry Basis)	IS 1797: 2017	0.02 g/100g to 2 g/100g
140	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Spices & Condiments (Pepper, Turmeric, Chilies, ginger, Coriander, Cumin, Cardamom, Fenugreek)	Alcohol Soluble Extract (Dry Basis)	IS 1797: 2017	0.1 g/100g to 20.0 g/100g
141	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Spices & Condiments (Pepper, Turmeric, Chilies, ginger, Coriander, Cumin, Cardamom, Fenugreek)	Chromate Test In Turmeric Powder	IS 3576: 2010	Qualitative



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Permanent Facility					
142	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Spices & Condiments(Pepper, Turmeric, Chilies, ginger, Coriander, Cumin, Cardamom, Fenugreek)	Cold Water Soluble Extract (Dry Basis)	IS 1797: 2017	0.12 g/100g to 20.0 g/100g
143	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Spices & Condiments(Pepper, Turmeric, Chilies, ginger, Coriander, Cumin, Cardamom, Fenugreek)	Extraneous Matter	IS 1797: 2017	0.1 g/100g to 20 g/100g
144	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Spices & Condiments(Pepper, Turmeric, Chilies, ginger, Coriander, Cumin, Cardamom, Fenugreek)	Moisture Content	IS 1797: 2017	0.52 % to 20 %
145	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Spices & Condiments(Pepper, Turmeric, Chilies, ginger, Coriander, Cumin, Cardamom, Fenugreek)	Non Volatile Ether Extract (Dry Basis)	IS1797 : 2017	0.5 g/100g to 20 g/100g
146	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Spices & Condiments(Pepper, Turmeric, Chilies, ginger, Coriander, Cumin, Cardamom, Fenugreek)	Total Ash (Dry Basis)	IS 1797: 2017	0.5 g/100g to 10.0 g/100g



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Permanent Facility					
147	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Spices & Condiments(Pepper, Turmeric, Chilies, ginger, Coriander, Cumin, Cardamom, Fenugreek)	Volatile Oil Content (Dry Basis)	IS 1797: 2017	0.1 ml/100gm to 5.0 ml/100g
148	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Whole & Ground Maize, Rice, Wheat, Soyabean, Dal Chana, Peas	Acid Insoluble Ash (Dry Basis)	IS 1010, IS 1155: 2015	0.05 g/100g to 1 g/100g
149	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Whole & Ground Maize, Rice, Wheat, Soyabean, Dal Chana, Peas	Alcoholic acidity as H ₂ SO ₄ (Dry Basis)	IS1155: 2015	0.01 % to 2.0 %
150	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Whole & Ground Maize, Rice, Wheat, Soyabean, Dal Chana, Peas	Calorific Value	SOP No QCOIF001 01 Oct 07: 2017	50 Kcal/100g to 1000 Kcal/100g
151	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Whole & Ground Maize, Rice, Wheat, Soyabean, Dal Chana, Peas	Carbohydrate	SOP No.QCOIF023 01 Jan 22: 2018	10.0 g/100g to 80.0 g/100g
152	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Whole & Ground Maize, Rice, Wheat, Soyabean, Dal Chana, Peas	Dry Gluten (Dry basis)	IS 1155: 2015	4.02 g to 12.0 g
153	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Whole & Ground Maize, Rice, Wheat, Soyabean, Dal Chana, Peas	Fat	SOP No QCOIF044 Ref IS 4684: 2005 01 Dec 01 : 2017	0.1 g/100g to 50 g/100g



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S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
Permanent Facility					
154	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Whole & Ground Maize, Rice, Wheat, Soyabean, Dal Chana, Peas	Moisture Content	IS 4333(P-2): 2012	1 % to 15 %
155	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Whole & Ground Maize, Rice, Wheat, Soyabean, Dal Chana, Peas	Protien (NX6.25)	IS 7219, IS 6287: 2010	1.0 g/100g to 20 g/100g
156	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Whole & Ground Maize, Rice, Wheat, Soyabean, Dal Chana, Peas	Shriveled and Immature Seeds of Kernels	IS 4333 (P-10): 2012	0.1 g/100g to 50 g/100g
157	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Whole & Ground Maize, Rice, Wheat, Soyabean, Dal Chana, Peas	Slightly Damaged Seed of Kernels	IS 4333 (P-1): 2012	0.1 g/100g to 50 g/100g
158	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Whole & Ground Maize, Rice, Wheat, Soyabean, Dal Chana, Peas	Total Ash (Dry basis)	IS 1010 (App. C): 2010	0.1 g/100g to 3 g/100g
159	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Whole & Ground Maize, Rice, Wheat, Soyabean, Dal Chana, Peas	Damaged & Weevilled Seed of Kennels	IS 4333(P-1): 2012	0.1 g to 50 g
160	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent/ Sewage/ Waste Water	Biochemical Oxygen Demand	IS 3025 (P-44): 2003	1 mg/l to 20,000 mg/l
161	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent/ Sewage/ Waste Water	Chemical Oxygen Demand	IS 3025 (P-58): 2006	1 mg/l to 30,000 mg/l



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Permanent Facility					
162	CHEMICAL-POLLUTION & ENVIRONMENT	Effluent/ Sewage/ Waste Water	Oil & Grease	IS 3025 (P-39): 2003	5 mg/l to 2000 mg/l
163	CHEMICAL-POLLUTION & ENVIRONMENT	Effluent/ Sewage/ Waste Water	pH	IS 3025 (P-11): 2006	4 to 9
164	CHEMICAL-POLLUTION & ENVIRONMENT	Effluent/ Sewage/ Waste Water	Phosphate as P	IS 3025 (P-31): 2003	0.05 mg/l to 5 mg/l
165	CHEMICAL-POLLUTION & ENVIRONMENT	Effluent/ Sewage/ Waste Water	Residual Free Chlorine	IS 3025 (p-26): 2003	0.1 mg/l to 10 mg/l
166	CHEMICAL-POLLUTION & ENVIRONMENT	Effluent/ Sewage/ Waste Water	Total Dissolved Solids	IS 3025 (P-16): 2006	5 mg/l to 30,000 mg/l
167	CHEMICAL-POLLUTION & ENVIRONMENT	Effluent/ Sewage/ Waste Water	Total Suspended Solids	IS 3025 (p-17): 2012	1 mg/l to 10,000 mg/l
168	CHEMICAL-POLLUTION & ENVIRONMENT	Soil Analysis (New)	Phosphorous	QCOIS02 01 Oct 02: 2018	10 mg/kg to 10000 mg/kg
169	CHEMICAL-POLLUTION & ENVIRONMENT	Soil Analysis (New)	Bulk Density	QCOIS01 01 oct 02: 2018	1 gm/cc to 2.5 gm/cc
170	CHEMICAL-POLLUTION & ENVIRONMENT	Soil Analysis (New)	Electrical Conductivity	IS 14467: 2000	0.1 mS/cm to 500 mS/cm



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S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
Permanent Facility					
171	CHEMICAL-POLLUTION & ENVIRONMENT	Soil Analysis (New)	Moisture	IS 2720 (P-2): 2011	1 % to 20 %
172	CHEMICAL-POLLUTION & ENVIRONMENT	Soil Analysis (New)	Nitrogen	IS 14684 : 2005	0.001 % to 10 %
173	CHEMICAL-POLLUTION & ENVIRONMENT	Soil Analysis (New)	Organic Carbon	IS 2720 (P-22): 2010	0.2 % to 25 %
174	CHEMICAL-POLLUTION & ENVIRONMENT	Soil Analysis (New)	Organic Matter	IS 2720 (P-22): 2010	0.5 % to 40 %
175	CHEMICAL-POLLUTION & ENVIRONMENT	Soil Analysis (new)	pH	IS 2720 (P-26): 2011	1 to 14
176	CHEMICAL-POLLUTION & ENVIRONMENT	Soil Analysis (New)	Potassium	IS 9497 : 2005	0.01 % to 10 %
177	CHEMICAL-POLLUTION & ENVIRONMENT	Waste Water	Biochemical Oxygen Demand	IS 3025 (P-44): 2003	1 mg/l to 20,000 mg/l
178	CHEMICAL-POLLUTION & ENVIRONMENT	Waste Water	Chemical Oxygen Demand	IS 3025 (P-58): 2006	1 mg/l to 30,000 mg/l
179	CHEMICAL-POLLUTION & ENVIRONMENT	Waste Water	Oil & Grease	IS 3025 (p-39): 2003	5 mg/l to 2000 mg/l



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Permanent Facility					
180	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	pH	IS 3025 (P-11): 2006	4 to 9
181	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Phosphate as P	IS 3025(P-31): 2003	0.05 mg/l to 5 mg/l
182	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Residual Free Chlorine	IS 3025 (p-26): 2003	0.1 mg/l to 10 mg/l
183	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Total Dissolved Solids	IS 3025 (P-16) : 2006	5 mg/l to 30,000 mg/l
184	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Total Suspended Solids	IS 3025 (P-17): 2012	1 to 10,000
185	CHEMICAL- WATER	Construction Water	Acidity	IS 456/IS 3025 (P-22): 2006	0.1 ml to 25 ml
186	CHEMICAL- WATER	Construction Water	Alkalinity	IS 456/ IS 3025 (p-23): 2006	0.1 ML to 50 ML
187	CHEMICAL- WATER	Construction Water	Chloride	IS 456/ IS 3025 (P-32): 2007	1 mg/l to 2000 mg/l
188	CHEMICAL- WATER	Construction Water	Inorganic Matter	IS 456/ IS 3025 (P-24): 2009	1 mg/l to 3000 mg/l
189	CHEMICAL- WATER	Construction Water	Organic Matter	IS 456/IS 3025 (P-18): 2006	1 mg/l to 3000 mg/l
190	CHEMICAL- WATER	Construction Water	Sulphate	IS 456/ IS 3025 (P-24): 2009	1 mg/l to 2000 mg/l



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S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
Permanent Facility					
191	CHEMICAL- WATER	Construction Water	Suspended Matter	IS 456/ IS 3025 (P-17): 2012	1 mg/l to 2000 mg/l
192	CHEMICAL- WATER	Potable & Domestic Water	Acidity	IS 3025 (p-22): 2003	1 mg/l to 1000 mg/l
193	CHEMICAL- WATER	Potable & Domestic Water	Alkalinity	IS 3025 (P-23): 2006	1 mg/l to 1000 mg/l
194	CHEMICAL- WATER	Potable & Domestic Water	Calcium as Ca	Is 3025 (P-40): 2009	1 mg/l to 300 mg/l
195	CHEMICAL- WATER	Potable & Domestic Water	Chloride	IS 3025 (P-32): 2007	1 mg/l to 1500 mg/l
196	CHEMICAL- WATER	Potable & Domestic Water	Fluoride	IS 3025(P-60): 2008	0.05 mg/l to 5 mg/l
197	CHEMICAL- WATER	Potable & Domestic Water	Iron	IS 3025 (P-53): 2009	0.01 mg/l to 5 mg/l
198	CHEMICAL- WATER	Potable & Domestic Water	Magnesium as Mg	IS 3025 (P-46): 2009	1 mg/l to 200 mg/l
199	CHEMICAL- WATER	Potable & Domestic Water	nitrate	IS 3025 (p-34): 2003	1 mg/l to 200 mg/l
200	CHEMICAL- WATER	Potable & Domestic Water	Odour	IS 3025 (P-5): 2002	Qualitative
201	CHEMICAL- WATER	Potable & Domestic Water	pH	IS 3025 (P-11): 2006	4 to 9
202	CHEMICAL- WATER	Potable & Domestic Water	Potassium	IS 3025 (P-45): 2003	1 mg/l to 100 mg/l
203	CHEMICAL- WATER	Potable & Domestic Water	Residual Free Chlorine	IS 3025 (P-26): 2003	0.1 mg/l to 10 mg/l



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Permanent Facility					
204	CHEMICAL- WATER	Potable & Domestic Water	Sodium	IS 3025 (P-45): 2003	1 mg/l to 2000 mg/l
205	CHEMICAL- WATER	Potable & Domestic Water	Specific Conductance	IS 3025 (P-14): 2013	0.2 μ S/cm to 3000 μ S/cm
206	CHEMICAL- WATER	Potable & Domestic Water	Sulphate	IS 3025 (P-24): 2009	1 mg/l to 600 mg/l
207	CHEMICAL- WATER	Potable & Domestic Water	Total dissolved solids	IS 3025 (p-16): 2006	5 mg/l to 3000 mg/l
208	CHEMICAL- WATER	Potable & Domestic water	Total Hardness asCaCO ₃	IS 3025 (p-21): 2009	1 mg/l to 1000 mg/l
209	CHEMICAL- WATER	Potable & Domestic Water	Total Suspended Solids	IS 3025 (P-17): 2012	1 mg/l to 500 mg/l
210	CHEMICAL- WATER	Potable & Domestic Water	Turbidity	IS 3025 (P-10): 2006	0.1 NTU to 1000 NTU
211	CHEMICAL- WATER	Potable & Domestic Water	Volatile Residue(Total Filterable and non Filterable)	IS 3025 (P-18): 2002	0.1 mg/l to 1000 mg/l
212	CHEMICAL- WATER	Swimming Pool Water	Chloride	IS 3025 (P-32): 2007	1 to 5000
213	CHEMICAL- WATER	Swimming Pool Water	Iron	IS 3025 (P-53): 2009	0.01 mg/l to 5 mg/l
214	CHEMICAL- WATER	Swimming Pool Water	pH	IS 3025 (P-11): 2006	4 to 9
215	CHEMICAL- WATER	Swimming Pool Water	Residual Free Chlorine	IS 3025 (P-26): 2003	0.1 mg/l to 10 mg/l
216	CHEMICAL- WATER	Swimming Pool Water	Total Alkalinity as CaCO ₃	IS 3025 (P-23): 2006	1 mg/l to 1000 mg/l
217	CHEMICAL- WATER	Swimming Pool Water	Total Dissolved Solids	IS 3025 (p-16): 2006	5 mg/l to 3000 mg/l

This is annexure to 'Certificate of Accreditation' and does not require any signature.



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S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
Permanent Facility					
218	CHEMICAL- WATER	Swimming Pool Water	Total Hardness as CaCO ₃	IS 3025 (P-21): 2009	1 mg/l to 1000 mg/l

'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.'