



National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



SCOPE OF ACCREDITATION

Laboratory Name N.D. INTERNATIONAL, 17, JNAN GOSWAMI SARANI, 107 B, BLOCK-F, NEW ALIPORE, KOLKATA, WEST BENGAL, KOLKATA, WEST BENGAL, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5910 Page No. : 1 / 53

Validity 07/06/2019 to 06/06/2021 Last Amended on 24/06/2019

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	Equipment and hand swab	Detection of Escherichia coli	IS 5887:1976 (Part 1) RA : 2013	Qualitative(present/absent per cm square)
2	BIOLOGICAL- ENVIRONMENT AND POLLUTION	Equipment and hand swab	Detection of Staphylococcus aureus	IS 5887:2002 (Part 8/ Sec 1) RA: 2013	Qualitative(present/absent per cm square)
3	BIOLOGICAL- ENVIRONMENT AND POLLUTION	Equipment and hand swab	Total plate count	IS 5402:2012 RA : 2018	1 per cm square to 400 per cm square
4	BIOLOGICAL- ENVIRONMENT AND POLLUTION	Equipment and hand swab	Total Yeast and mould count	IS 5403:1999 RA : 2013	1 per cm square to 300 per cm square
5	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	A.Spices(Caraway, Chillies and capsicums, Cinnamom, Cassia, Cloves, Coerriender, Cumin, Fennel, Fenugreek, Ginger, Garlic, Mace, Mustard, Nutmeg, Black/White pepper, Saffron, Tarmaric, Aniseed, Ajwain, Total Plate count IS 5402:2012 RA2013(0-3.2x10 ³ cfu/gm) 2824 ± 299.975834(Spiked with E.coli)	Yeast and mould count	IS 5403:1999 RA: 2013	10 cfu/gm to 3000 cfu/gm
6	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Alcoholic beverage (Beer)	Total Coliform Count	IS 3752:2005 RA : 2015	Qualitative(Present or absent / ml)



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7	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Alcoholic beverage (Beer)	Total Coliform Count	IS 3752:2005 RA : 2015	1 cfu/ml to 4000 cfu/ml
8	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Cereals and grains (Atta, Maida, Suji, Besan,wheat grain, maize grain, pulses)	Yeast and mould count	IS 5403:1999 RA: 2013	10 cfu/gm to 3000 cfu/gm
9	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Cereals and grains (Atta, Maida, Suji, Besan,wheat grain, maize grain, pulses)	Detection of Escherichia coli	IS 5887:1976 (Part 1) RA: 2013	Qualitative(minimum 10 cfu/gm)
10	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Cereals and grains (Atta, Maida, Suji, Besan,wheat grain, maize grain, pulses)	Detection of Salmonella	IS 5887:1999 (Part 3) RA: 2013	Qualitative(present /absent per 25gm)
11	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Cereals and grains (Atta, Maida, Suji, Besan,wheat grain, maize grain, pulses)	Detection of Staphylococcus aureus	IS 5887:1976 (Part 8) RA : 2013	Qualitative(minimum detection 10 cfu per gram)
12	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Cereals and grains (Atta, Maida, Suji, Besan,wheat grain, maize grain, pulses)	Total Coliform Count	IS 5401:2002 (Part 1) RA : 2018	10 cfu/gm to 8000 cfu/gm
13	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Cereals and grains (Atta, Maida, Suji, Besan,wheat grain, maize grain, pulses)	Total Plate count	IS 5402:2012 RA : 2018	10 cfu/gm to 4000 cfu/gm
14	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Cooked veg and non-veg foods	Detection of Escherichia coli	IS 5887:1976 (Part 1) RA : 2013	10 cfu/gm to 5000 cfu/gm



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Permanent Facility					
15	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Cooked veg and non-veg foods	Detection of Salmonella	IS 5887:1976 (Part 3) RA : 2013	Qualitative(Absent or Present/25gm)
16	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Cooked veg and non-veg foods	Detection of Staphylococcus aureus	IS 5887:1976 (Part 8) RA : 2013	10 cfu/gm to 3000 cfu/gm
17	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Cooked veg and non-veg foods	Mould count	IS 5403:1999 RA : 2013	10 cfu/gm to 1000 cfu/gm
18	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Cooked veg and non-veg foods	Total Coliform Count	IS 5401:2002 (Part 1) RA : 2012	10 cfu/gm to 5000 cfu/gm
19	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Cooked veg and non-veg foods	Total Plate count	IS 5402:2012 RA: 2018	10 cfu/gm to 3000 cfu/gm
20	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Cooked veg and non-veg foods	Yeast count	IS 5403:1999 RA : 2013	10 cfu/gm to 1000 cfu/gm
21	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Dehydrated and frozen fruit, vegetable products. Ready to serve fruit and synthetic beverages Table olives Raisins Pistachio nuts Dates Dried Fruit and nuts	Detection of E.Coli	IS 5887:1976 (Part 1) RA: 2013	Qualitative(Absent or Present / gm)



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Permanent Facility					
22	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Dehydrated and frozen fruit, vegetable products. Ready to serve fruit and synthetic beverages Table olivesRaisinsPistachio nutsDatesDried Fruit and nuts	Detection of Salmonella sp	IS 5887:1976 (Part 3) RA: 2013	Qualitative(Absent or Present /25 gm)
23	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Dehydrated and frozen fruit, vegetable products. Ready to serve fruit and synthetic beverages Table olivesRaisinsPistachio nutsDatesDried Fruit and nuts	Detection of Shigella sp	IS 5887:1999 (Part 7) RA : 2013	Qualitative(Absent or Present /25 gm)
24	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Dehydrated and frozen fruit, vegetable products. Ready to serve fruit and synthetic beverages Table olivesRaisinsPistachio nutsDatesDried Fruit and nuts	Detection of Staphylococcus aureus	IS 5887:1976 (Part 8) RA: 2013	Qualitative(minimum detection 10 cfu per gm)



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Permanent Facility					
25	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Dehydrated and frozen fruit, vegetable products. Ready to serve fruit and synthetic beverages Table olivesRaisinsPistachio nutsDatesDried Fruit and nuts	Detection of Vibrio cholerae	IS 5887:1976 (Part 5) RA: 2013	Qualitative(Absent or Present /25 gm)
26	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Dehydrated and frozen fruit, vegetable products. Ready to serve fruit and synthetic beverages Table olivesRaisinsPistachio nutsDatesDried Fruit and nuts	Total Plate count	IS 5402:2012 RA : 2018	10 cfu/gm to 4000 cfu/gm
27	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Dried milk powder, cream, whey, edible casein, ice-cream mix	Detection of Escherichia coli	IS 5887:1976 (Part 1) RA : 2013	Qualitative(Absent or Present / gm)
28	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Dried milk powder, cream, whey, edible casein, ice-cream mix	Detection of Listeria sp	IS 14988:2001 (Part 1) RA : 2018	Qualitative(Absent or Present / 25 gm or ml)
29	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Dried milk powder, cream, whey, edible casein, ice-cream mix	Detection of Salmonella	IS 5887:1999 (Part 3) RA : 2013	Qualitative(Absent or Present / 25 gm or ml)
30	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Dried milk powder, cream, whey, edible casein, ice-cream mix	Detection of Staphylococcus aureus	IS 5887: 2002 (Part 8) RA: 2013	10 cfu/gm to 3000 cfu/gm



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Permanent Facility					
31	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Dried milk powder, cream, whey, edible casein, ice-cream mix	Total Coliform Count	IS 5401:2002 (Part 1) RA : 2012	10 cfu/gm to 5000 cfu/gm
32	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Dried milk powder, cream, whey, edible casein, ice-cream mix	Total Plate count	IS 5402:2012 RA : 2018	10 cfu/ gm to 50000 cfu gm
33	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Dried milk powder, cream, whey, edible casein, ice-cream mix	Yeast and mould count	IS 5403:1999 RA: 2013	10 cfu/gm to 1000 cfu/gm
34	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Fresh cheese/ Cheddar cheese/ Cottage cheese / Soft cheese /Semi soft cheese	Detection of Escherichia coli	IS 5887:1976 (Part 1) RA : 2013	10 cfu/gm to 3000 cfu / gm
35	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Fresh cheese/ Cheddar cheese/ Cottage cheese / Soft cheese /Semi soft cheese	Detection of Listeria sp	IS 14988:2001 (Part 1) RA : 2018	Qualitative(Hard cheese - Absent or Present / gm Other cheese - Absent or Present / 25 gm)
36	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Fresh cheese/ Cheddar cheese/ Cottage cheese / Soft cheese /Semi soft cheese	Detection of Salmonella	IS 5887:1999 (Part 3) RA : 2013	Qualitative(Absent or Present / 25 gm or ml)
37	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Fresh cheese/ Cheddar cheese/ Cottage cheese / Soft cheese /Semi soft cheese	Detection of Staphylococcus aureus	IS 5887:2002 (Part 8) RA : 2013	10 cfu/gm to 1000 cfu/gm
38	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Fresh cheese/ Cheddar cheese/ Cottage cheese / Soft cheese /Semi soft cheese	Total Coliform Count	IS 5401:2002 (Part 1) RA : 2012	10 cfu/gm to 3000 cfu/gm



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Permanent Facility					
39	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Fresh cheese/ Cheddar cheese/ Cottage cheese / Soft cheese /Semi soft cheese	Total Plate count	IS 5402:2012 RA : 2018	10 cfu/gm to 3000 cfu/gm
40	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Fresh cheese/ Cheddar cheese/ Cottage cheese / Soft cheese /Semi soft cheese	Yeast and mould count	IS 5403:1999 RA: 2013	10 cfu/gm to 300 cfu/gm
41	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Ice-cream/Frozen dessert/Milk Lolly, Ice-candy	Detection of Escherichia coli	IS 5887:1976 (Part 1) RA : 2013	Qualitative(minimum detection 10 cfu per gm)
42	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Ice-cream/Frozen dessert/Milk Lolly, Ice-candy	Detection of Listeria sp	IS 14988:2001 (Part 1) RA: 2018	Qualitative(Absent or Present / 25gm)
43	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Ice-cream/Frozen dessert/Milk Lolly, Ice-candy	Detection of Salmonella	IS 5887:1999 (Part 3) RA: 2013	Qualitative(Absent or Present / 25 gm or ml)
44	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Ice-cream/Frozen dessert/Milk Lolly, Ice-candy	Detection of Staphylococcus aureus	IS 5887:1976 (Part 1) RA: 2013	10 cfu/gm to 5000 cfu/gm
45	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Ice-cream/Frozen dessert/Milk Lolly, Ice-candy	Total Coliform Count	IS 5401:2002 (Part 1) RA: 2012	10 cfu/gm to 40000 cfu/gm
46	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Ice-cream/Frozen dessert/Milk Lolly, Ice-candy	Total Plate count	IS 5402:2012 RA : 2018	10 cfu/gm to 300000 cfu/g
47	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Ice-cream/Frozen dessert/Milk Lolly, Ice-candy	Yeast and mould count	IS 5403:1999 RA : 2013	10 cfu/gm to 2000 cfu/gm



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Permanent Facility					
48	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Meat & Meat Products	Detection and enumeration of Escherichia coli	IS 5887:1976 (Part 1) RA : 2013	10 cfu/gm to 20000 cfu/gm
49	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Meat & Meat products	Detection and enumeration of Staphylococcus aureus	IS 5887:1976 (Part 8/ Sec 1) RA: 2013	10 cfu/gm to 40000 cfu/gm
50	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Meat & Meat Products	Detection of clostridium perfringens	IS 5887: 1976 (Part 4) RA: 2013	10 cfu/gm to 3000 cfu/gm
51	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Meat & Meat products	Detection of Listeria monocytogenes	IS 14988:2001 (Part 1) RA : 2018	Qualitative(Absent or present / 25 gm)
52	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Meat & Meat Products	Detection of Salmonella sp	IS 5887:1976 (Part 3) RA : 2013	Qualitative(Absent or present / 25 gm)
53	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Meat & Meat Products	Total Plate Count	IS 5402:2012 RA: 2018	10 cfu/gm to 100000 cfu/gm
54	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Meat & Meat Products	Yeast and mould count	IS 5403:1999 RA : 2013	10 cfu/gm to 4000 cfu/gm
55	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Non-alcoholic drinks (Carbonated beverages, ready to serve beverages including fruit beverages)	Total Coliform Count	IS 5401(Part 2) : 2012	Qualitative(Absent or Present / 100 ml)



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Permanent Facility					
56	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Non-alcoholic drinks (Carbonated beverages, ready to serve beverages including fruit beverages)	Total Plate count	IS 5402:2012 RA: 2018	1 cfu/ml to 40000 cfu/ml
57	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Non-alcoholic drinks (Carbonated beverages, ready to serve beverages including fruit beverages)	Yeast and mould count	IS 5403:1999 RA : 2013	1 cfu/ml to 2000 cfu/ml
58	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Paneer and Chenna	Detection of Escherichia coli	IS 5887:1976 (Part 1) RA: 2013	10 cfu/gm to 3000 cfu/gm
59	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Paneer and Chenna	Detection of Listeria sp	IS 14988:2001 (Part 1) RA : 2018	Qualitative(Absent or Present / 25gm)
60	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Paneer and Chenna	Detection of Salmonella	IS 5887:1999 (Part 3) RA : 2013	Qualitative(Absent or Present /25 gm)
61	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Paneer and Chenna	Detection of Staphylococcus aureus	IS 5887:1976 (Part 1) RA : 2013	10 cfu/gm to 3000 cfu/gm
62	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Paneer and Chenna	Mould count	IS 5403:1999 RA : 2013	10 cfu/gm to 1000 cfu/gm
63	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Paneer and Chenna	Total Coliform Count	IS 5401:2002 (Part 1) RA: 2012	10 cfu/gm to 3000 cfu/gm



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Permanent Facility					
64	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Paneer and Chenna	Total Plate count	IS 5402:2012 RA : 2018	10 cfu/gm to 500000 cfu/gm
65	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Paneer and Chenna	Yeast Count	IS 5403:1999 RA: 2013	10 cfu/gm to 2000 cfu/gm
66	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Pasteurised Butter	Detection of Escherichia coli	IS 5887:1976 (Part 1) RA : 2013	Qualitative(Absent or Present / gm)
67	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Pasteurised Butter	Detection of Listeria sp	IS 14988:2001 (Part 1) RA: 2018	Qualitative(Absent or Present / 25gm)
68	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Pasteurised Butter	Detection of Salmonella	IS 5887:1976 (Part 3) RA: 2013	Qualitative(Absent or Present / 25 gm or ml)
69	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Pasteurised Butter	Detection of Staphylococcus aureus	IS 5887:1976 (Part 8) RA : 2013	10 cfu/gm to 3000 cfu/gm
70	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Pasteurised butter	Total Coliform Count	IS 5401:2002 (Part 1) RA: 2012	10 cfu/gm to 3000 cfu/gm
71	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Pasteurised Butter	Total Coliform Count	IS 5401:2002 Part 1 RA : 2012	10 cfu/gm to 3000 cfu/gm
72	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Pasteurised Butter	Total Plate count	IS 5402: 2012 RA: 2018	10 cfu/gm to 5000 cfu/gm



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Permanent Facility					
73	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Pasteurised Butter	Yeast and mould count	IS 5403:1999 RA : 2013	10 cfu/gm to 5000 cfu/gm
74	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Pasteurised Milk/ Cream/ Flavoured milk	Detection of Escherichia coli	IS 5887:1976 (Part 1) RA: 2013	Qualitative(Absent or Present / gm)
75	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Pasteurised Milk/ Cream/ Flavoured milk	Detection of Listeria sp	IS 14988:2001 (Part 1) RA : 2018	Qualitative(Absent or Present / 25 gm or ml)
76	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Pasteurised Milk/ Cream/ Flavoured milk	Detection of Salmonella	IS 5887:1999 (Part 3) RA: 2005	Qualitative(Absent or Present / 25 gm or ml)
77	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Pasteurised Milk/ Cream/ Flavoured milk	Detection of Staphylococcus aureus	IS 5887:1976 (Part 1) RA : 2013	10 cfu/ml to 3000 cfu/ml
78	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Pasteurised Milk/ Cream/ Flavoured milk	Total Coliform Count	IS 5401:2002 (Part 1) RA: 2012	10 cfu/ml to 3000 cfu/ml
79	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Pasteurised Milk/ Cream/ Flavoured milk	Yeast and mould count	IS 5403:1999 RA: 2013	10 cfu/gm to 1000 cfu/gm
80	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Pasteurised Milk/Cream/Flavoured Milk	Total Plate Count	IS 5402:2012 RA : 2018	10 cfu/gm to 50000 cfu/gm
81	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Processed cheese /Cheese spread	Total Plate count	IS 5402:2012 RA: 2018	10 cfu/gm to 8000 cfu/gm



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Permanent Facility					
82	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Processed cheese/ cheese spread	Detection of Escherichia coli	IS 5887:1976 (Part 1) RA: 2013	Qualitative(Absent or Present / gm or ml)
83	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Processed cheese/ cheese spread	Detection of Listeria sp	IS 14988:2001 (Part 1) RA : 2018	Qualitative(Absent or Present / 25 gm)
84	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Processed cheese/ cheese spread	Detection of Salmonella	IS 5887:1976 (Part 1) RA: 2013	Qualitative(Absent or Present / 25 gm or ml)
85	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Processed cheese/ cheese spread	Detection of Staphylococcus aureus	IS 5887:1976 (Part 1) RA : 2013	10 cfu/gm to 3000 cfu/gm
86	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Processed cheese/ cheese spread	Total Coliform Count	IS 5401:2002 (Part 1) RA : 2012	10 cfu/gm to 3000 cfu/gm
87	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Processed cheese/ cheese spread	Yeast and mould count	IS 5403:1999 RA : 2013	10 cfu/gm to 1000 cfu/gm
88	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Raw Fish and Sea food products	Detection and enumeration of Staphylococcus aureus	IS 5887:1976 (Part 8/ Sec 1) RA : 2013	10 cfu/gm to 5000 cfu/gm
89	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Raw fish & Sea food	Detection of Vibrio cholerae	IS 5887:1976 (Part 5) RA : 2013	Qualitative(Absent or Present / 25 gm)
90	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Raw fish & sea food	Detection of Vibrio parahaemolyticus	IS 5887:1976 (Part 5) RA : 2013	Qualitative(Absent or Present / 25 gm)



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Permanent Facility					
91	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Raw fish & sea food products	Detection of Salmonella sp	IS 5887:1976 (Part 3) RA : 2013	Qualitative(Absent or present/25 gm)
92	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Raw fish & sea food products	Detection of Shigella sp	IS 5887:1976 (Part 7) RA: 2013	Qualitative(Absent or Present / 25 gm)
93	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Raw Fish & Sea food products	Total Plate Count	IS 5402:2012 RA: 2018	10 cfu/gm to 500000 cfu/gm
94	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Raw fish and seafood products	Detection and enumeration of Escherichia coli	IS 5887:1976 (Part 1) RA : 2013	10 cfu/gm to 3000 cfu/gm
95	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Spices(Caraway, Chillies and capsicums, Cinnamom, Cassia, Cloves, Coerriender, Cumin, Fennel, Fenugreek, Ginger, Garlic, Mace, Mustard, Nutmeg, Black/White pepper, Saffron, Tarmaric, Aniseed, Ajwain,	Detection of Listeria sp	IS 14988:2001 (Part 1) RA: 2018	Qualitative(Absent or Present / gm)



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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					
96	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Spices(Caraway, Chillies and capsicums, Cinnamom, Cassia, Cloves, Coerriender, Cumin, Fennel, Fenugreek, Ginger, Garlic, Mace, Mustard, Nutmeg, Black/White pepper, Saffron, Tarmaric, Aniseed, Ajwain,	Detection of Salmonella	IS 5887:1976 (Part 3) RA : 2013	Qualitative(Absent or Present/25 gm)
97	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Spices(Caraway, Chillies and capsicums, Cinnamom, Cassia, Cloves, Coerriender, Cumin, Fennel, Fenugreek, Ginger, Garlic, Mace, Mustard, Nutmeg, Black/White pepper, Saffron, Tarmaric, Aniseed, Ajwain,	Total Coliform Count	IS 5401:2002 (Part 1) RA: 2012	10 cfu/gm to 3000 cfu/gm



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Permanent Facility					
98	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Spices(Caraway, Chillies and capsicums, Cinnamom, Cassia, Cloves, Coerriender, Cumin, Fennel, Fenugreek, Ginger, Garlic, Mace, Mustard, Nutmeg, Black/White pepper, Saffron, Tarmaric, Aniseed, Ajwain,	Total Plate count	IS 5402:2012 RA: 2013	10 cfu/gm to 3000 cfu/gm
99	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Spices(Caraway, Chillies and capsicums, Cinnamom, Cassia, Cloves, Coerriender, Cumin, Fennel, Fenugreek, Ginger, Garlic, Mace, Mustard, Nutmeg, Black/White pepper, Saffron, Tarmaric, Aniseed, Ajwain,	Detection of Escherichia coli	IS 5887:1976 (Part 1) RA : 2013	Qualitative(Absent or present / gm)



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Permanent Facility					
100	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Spices(Caraway, Chillies and capsicums, Cinnamom, Cassia, Cloves, Coerriender, Cumin, Fennel, Fenugreek, Ginger, Garlic, Mace, Mustard, Nutmeg, Black/White pepper, Saffron, Tarmaric, Aniseed, Ajwain,	Detection of Staphylococcus aureus	IS 5887 (Part 8):2002 RA: 2018	Qualitative(Absent or Present / gm)
101	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Sweetened condensed milk	Detection of Escherichia coli	IS 5887:1976 (Part 1) RA : 2013	Qualitative(Absent or Present / gm or ml)
102	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Sweetened condensed milk	Detection of Listeria sp	IS 14988:2001 (Part 1) RA : 2018	Qualitative(Absent or Present / 25 gm)
103	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Sweetened condensed milk	Detection of Salmonella	IS 5887:1999 (Part 3) RA : 2013	Qualitative(Absent or Present / 25 gm or ml)
104	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Sweetened condensed milk	Detection of Staphylococcus aureus	IS 5887:1976 (Part 1) RA : 2013	10 cfu/gm to 3000 cfu/gm
105	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Sweetened condensed milk	Total Coliform Count	IS 5401:2002 (Part 1) RA : 2012	10 cfu/gm to 4000 cfu/gm
106	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Sweetened condensed milk	Total Plate count	IS 5402:2012 RA : 2018	10 cfu/gm to 1000 cfu/gm



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Permanent Facility					
107	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Sweetened condensed milk	Yeast and mould count	IS 5403:1999 RA : 2013	10 cfu/gm to 4000 cfu/gm
108	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Tea	Detection of Escherichia coli	IS 5887:1976 (Part 1) RA : 2013	Qualitative(Absent or Present/gm)
109	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Tea	Detection of Salmonella sp	IS 5887:1999 (Part 3) RA: 2013	Qualitative(Absent or Present/25 gm)
110	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Tea	Total coliform count	IS 5401:2002 (Part 1) RA : 2012	10 cfu/gm to 4000 cfu/gm
111	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Tea	Total plate count	IS 5402:2012 RA: 2018	10 cfu/gm to 5000 cfu/gm
112	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Tea	Yeast and mould count	IS 5403:1999 RA : 2013	10 cfu/gm to 300 cfu/gm
113	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Thermally Processed fruits and vegetable products, Other fruits and vegetable products	mould count	IS 5403:1999 RA: 2013	10 cfu/gm to 100 cfu/gm
114	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Thermally Processed fruits and vegetable products, Other fruits and vegetable products	Total Plate count	IS 5402:2012 RA: 2018	10 cfu/gm to 500 cfu/gm



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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					
115	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Thermally Processed fruits and vegetable products, Other fruits and vegetable products	Yeast	IS 5403:1999 RA: 2013	10 cfu/gm to 1000 cfu/gm
116	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Yogurt, Dahi, Chakka, Sreekhand	Detection of Escherichia coli	IS 5887:1976 (Part 1) RA : 2013	Qualitative(Absent or present / gm)
117	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Yogurt, Dahi, Chakka, Sreekhand	Detection of Listeria sp	IS 14988:2001 (Part 1) RA : 2018	Qualitative(Absent or Present / 25 gm)
118	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Yogurt, Dahi, Chakka, Sreekhand	Detection of Salmonella	IS 5887:1999 (Part 3) RA : 2013	Qualitative(Absent or Present / 25 gm)
119	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Yogurt, Dahi, Chakka, Sreekhand	Detection of Staphylococcus aureus	IS 5887:1976 (Part 1) RA: 2013	10 cfu/gm to 3000 cfu/gm
120	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Yogurt, Dahi, Chakka, Sreekhand	Mould count	IS 5403:1999 RA : 2013	10 cfu/gm to 1000 cfu/gm
121	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Yogurt, Dahi, Chakka, Sreekhand	Total Coliform Count	IS 5401:2002 (Part 1) RA : 2012	10 cfu/gm to 3000 cfu/gm
122	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Yogurt, Dahi, Chakka, Sreekhand	Total Plate count	IS 5402:2012 RA: 2018	10 cfu/gm to 100000 cfu/gm
123	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Yogurt, Dahi, Chakka, Sreekhand	Yeast Count	IS 5403:1999 RA: 2013	10 cfu/gm to 100 cfu/gm



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Permanent Facility					
124	BIOLOGICAL- WATER	Dialysis Water	Endotoxin	IP: 2018	Qualitative(present/absent per ml)
125	BIOLOGICAL- WATER	Dialysis Water	Total Plate Count	ANSI/AAMI 13959: 2014	1 cfu/ml to 50 cfu/ml
126	BIOLOGICAL- WATER	Drinking Water	E.coli	IS 1622:1981 RA: 2014	Qualitative(Absent or Present / 100 ml)
127	BIOLOGICAL- WATER	Drinking Water	Faecal Coliform	IS 1622:1981 RA: 2014	Qualitative(Absent or Present / 100 ml)
128	BIOLOGICAL- WATER	Drinking Water	Total Coliform	IS 1622:1981 RA: 2014	1 cfu/ml to 100 cfu/ml
129	BIOLOGICAL- WATER	Drinking water	Total Coliform (MPN)	IS 1622:1981 RA: 2014	Qualitative((2-1600) MPN/100ml)
130	BIOLOGICAL- WATER	Drinking Water	Total Plate Count	IS1622:1981 RA: 2014	1 cfu/ml to 100000 cfu/ml
131	BIOLOGICAL- WATER	Packaged Drinking Water	Detection of Clostridium perfringens	IS 13428 :2005 RA: 2014	Qualitative(Absent or present / 50 ml)
132	BIOLOGICAL- WATER	Packaged Drinking Water	Detection of Esherichia coli	IS: 15185: 2016	Qualitative(Absent or Present / 250 ml)
133	BIOLOGICAL- WATER	Packaged Drinking Water	Detection of Faecal streptococci	IS 15186: 2002 RA: 2014	Qualitative(Absent or present / 250 ml)
134	BIOLOGICAL- WATER	Packaged Drinking Water	Detection of Pseudomonas aeruginosa	IS 13428: 2005 RA : 2014	Qualitative(Absent or Present / 250 ml)
135	BIOLOGICAL- WATER	Packaged Drinking Water	Detection of Salmonella sp	IS 15187:2002 RA 2009; IS 5887 (Part 3):1976 RA : 2013	Qualitative(Absent or Present / 250 ml)
136	BIOLOGICAL- WATER	Packaged Drinking Water	Detection of Shigella sp	IS 5887 (Part 7): 1976 RA: 2013	Qualitative(Absent or Present / 250 ml)



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Permanent Facility					
137	BIOLOGICAL- WATER	Packaged Drinking Water	Detection of Staphylococcus aureus	IS 5887(Part 2): 1976 RA: 2013	Qualitative(Absent or Present /250 ml)
138	BIOLOGICAL- WATER	Packaged Drinking Water	Detection of Vibrio cholerae	IS 5887 (Part V) 1976 RA : 2013	Qualitative(Absent or Present / 250 ml)
139	BIOLOGICAL- WATER	Packaged Drinking Water	Detection of Vibrio parahaemolyticus	IS 5887 (Part V) :1976 RA: 2013	Qualitative(Absent or present/250 ml)
140	BIOLOGICAL- WATER	Packaged Drinking Water	Detection of Yeast and mould	IS: 5403:1999 RA : 2013	Qualitative(Absent or present / 250 ml)
141	BIOLOGICAL- WATER	Packaged Drinking Water	Total Coliform Count	IS 15185: 2016	Qualitative(Absent or present / 250 ml)
142	BIOLOGICAL- WATER	Packaged Drinking Water	Total Plate Count at 22 C	IS 5402:2012 RA 2018; IS 1622:1981 RA: 2014	1 cfu/ml to 100 cfu/ml
143	BIOLOGICAL- WATER	Packaged Drinking Water	Total plate count at 37 C	IS: 5402:2012 RA 2018 , IS 1622:1981 RA: 2014	1 cfu/ml to 20 cfu/ml
144	BIOLOGICAL- WATER	Swimming Pool Water	Total Coliform (MPN)	IS 3328:1993 RA: 2013	Qualitative(minimum 2 MPN to 1600 MPN per 100 ml)
145	BIOLOGICAL- WATER	Swimming pool water	Total Plate Count	IS 3328:1993 RA: 2013	1 cfu/ml to 100 cfu/ml
146	CHEMICAL- ANIMAL FOOD & FEEDS	Animal Feed	Acid insoluble Ash	IS 7874 (part 1) 1975 RA : 2014	0.5 % to 5 %
147	CHEMICAL- ANIMAL FOOD & FEEDS	Animal Feed	Calcium	IS 13433 (P 1&2):1992 RA: 2013	0.1 % to 10 %
148	CHEMICAL- ANIMAL FOOD & FEEDS	Animal Feed	Crude Fat	IS 7874 (part 1) 1975 RA: 2014	1 % to 6 %
149	CHEMICAL- ANIMAL FOOD & FEEDS	Animal Feed	Crude Fibre	IS 7874 (part 1):1975 RA: 2014	1 % to 15 %



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Permanent Facility					
150	CHEMICAL- ANIMAL FOOD & FEEDS	Animal Feed	Crude Protein	IS 7874 (part 1):1975 RA : 2014	1 % to 50 %
151	CHEMICAL- ANIMAL FOOD & FEEDS	Animal Feed	Description	IS 2052:2009 RA: 2014	Qualitative
152	CHEMICAL- ANIMAL FOOD & FEEDS	Animal feed	Moisture	IS 7874 (part 1) 1975 RA: 2014	0.2 % to 15 %
153	CHEMICAL- ANIMAL FOOD & FEEDS	Animal Feed	Salt as NaCl	IS 7874 (part 1):1975 RA: 2014	0.50 % to 10 %
154	CHEMICAL- ANIMAL FOOD & FEEDS	Animal Feed	Total Phosphorous	IS 7874 (part 2):1975 RA: 2014	0.1 % to 5 %
155	CHEMICAL- ANIMAL FOOD & FEEDS	Poultry Feed	Acid insoluble Ash	IS 7874 (part 1):1975 RA : 2014	0.5 % to 5 %
156	CHEMICAL- ANIMAL FOOD & FEEDS	Poultry Feed	Calcium as Ca	IS 13433 (PART 1 & 2):1992 RA: 2013	0.1 % to 10 %
157	CHEMICAL- ANIMAL FOOD & FEEDS	Poultry Feed	Crude Fat	IS 7874 (part 1) 1975 RA: 2014	1 % to 15 %
158	CHEMICAL- ANIMAL FOOD & FEEDS	Poultry Feed	Crude Fibre	IS 7874 (part 1) 1975 RA : 2014	1 % to 15 %
159	CHEMICAL- ANIMAL FOOD & FEEDS	Poultry Feed	Crude protein	IS 7874 (part 1) 1975 (RA 2014): 2014	1.0 % to 50 %
160	CHEMICAL- ANIMAL FOOD & FEEDS	Poultry Feed	Moisture	IS 7874 (part 1):1975 RA: 2014	0.2 % to 15 %
161	CHEMICAL- ANIMAL FOOD & FEEDS	Poultry Feed	Salt as NaCl	IS 7874 (part 1):1975 RA : 2014	0.50 % to 10 %
162	CHEMICAL- ANIMAL FOOD & FEEDS	Poultry Feed	Total Phosphorous	IS 7874 (part 2):1975 RA : 2014	0.1 % to 5 %



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Permanent Facility					
163	CHEMICAL-ATMOSPHERIC POLLUTION	Ambient Air	Ammonia	NDI/SOP/09; Issue number 02; Issue date 01.01.2019; 2019	5 µg/m ³ to 200 µg/m ³
164	CHEMICAL-ATMOSPHERIC POLLUTION	Ambient Air	Arsenic	EPA IO 3.IO-3.2 : 1999	1 ng/m ³ to 10 ng/m ³
165	CHEMICAL-ATMOSPHERIC POLLUTION	Ambient Air	Fine Particulate Matter (PM 2.5)	USEPA 40 CFR Part 50, Appendix L: 2011	10 µg/m ³ to 500 µg/m ³
166	CHEMICAL-ATMOSPHERIC POLLUTION	Ambient Air	Nickel	EPAIO 3.IO-3.2 : 1999	5 ng/m ³ to 10 ng/m ³
167	CHEMICAL-ATMOSPHERIC POLLUTION	Ambient Air	Oxides of Nitrogen (NO _x)	IS 5182 (Part 6):2006 RA: 2012	10 µg/m ³ to 300 µg/m ³
168	CHEMICAL-ATMOSPHERIC POLLUTION	Ambient Air	Ozone	IS 5182 (Part IX):1974 RA: 2014	10 µg/m ³ to 80 µg/m ³
169	CHEMICAL-ATMOSPHERIC POLLUTION	Ambient Air	Respirable Suspended Particulate Matter (PM 10)	IS 5182 (Part 23): 2006 RA: 2017	20 µg/m ³ to 1000 µg/m ³
170	CHEMICAL-ATMOSPHERIC POLLUTION	Ambient Air	Sulphur dioxide	IS 5182 (Part 2): 2001 RA: 2017	4 µg/m ³ to 200 µg/m ³
171	CHEMICAL-ATMOSPHERIC POLLUTION	Ambient Air	Suspended Particulate matter	IS 5182 (Part 4):1999 RA: 2014	20 µg/m ³ to 10000 µg/m ³



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Permanent Facility					
172	CHEMICAL-ATMOSPHERIC POLLUTION	Ambient Noise	Ambient Noise (Leq,Lmax,Lmin)	IS 9989: 1981 RA: 2017	40 dB(A) to 90 dB(A)
173	CHEMICAL-ATMOSPHERIC POLLUTION	Stack Emission	Carbon dioxide by ORSAT App	IS 13270: 1992 RA : 2014	0.2 % to 16 %
174	CHEMICAL-ATMOSPHERIC POLLUTION	Stack Emission	Carbon Monoxide by ORSAT App	IS 13270:1992 RA : 2014	0.20 % to 2 %
175	CHEMICAL-ATMOSPHERIC POLLUTION	Stack Emission	Lead	EPA Method- 0060: 1992	0.01 mg/Nm3 to 20 mg/Nm3
176	CHEMICAL-ATMOSPHERIC POLLUTION	Stack Emission	Oxides of Nitrogen(NOx)	IS 11255 (Part 7) 2005 RA: 2014	5 mg/Nm3 to 1000 mg/Nm3
177	CHEMICAL-ATMOSPHERIC POLLUTION	Stack Emission	Oxygen by ORSAT App	IS 13270:1992 RA : 2014	2 % to 20 %
178	CHEMICAL-ATMOSPHERIC POLLUTION	Stack Emission	Particulate Matter	IS 11255 (Part 1) 1985 RA: 2014	10 mg/Nm3 to 1000 mg/Nm3
179	CHEMICAL-ATMOSPHERIC POLLUTION	Stack Emission	Sulphur dioxide	IS 11255 (Part2): 1985 RA: 2014	5 mg/Nm3 to 1000 mg/Nm3
180	CHEMICAL-ATMOSPHERIC POLLUTION	Stack Emission	Temperature	IS 11255 (Part 3): 1985 RA: 2008	30 Deg C to 600 Deg C



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Permanent Facility					
181	CHEMICAL- ATMOSPHERIC POLLUTION	Work place noise	Work place noise	IS 4758: 1968 RA: 2017	60 dB(A) to 130 dB(A)
182	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Beer, Whisky , Rum, Vodka,Wine,Nib,Jin	Copper (AS Cu)	IS 3752: 2015	0.01 mg/L to 50 mg/L
183	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Beer, Whisky , Rum, Vodka,Wine,Nib,Jin	Ethyl alcohol Content	IS 3752: 2015	0.50 % to 50.0 %
184	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Beer, Whisky , Rum, Vodka,Wine,Nib,Jin	Iron as Fe	FSSAI Manual : 2019	.05 mg/L to 100 mg/L
185	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Beer,Wine,Whisky,Ru m,Vodka,Gin,Wine,Nib	Acid content	IS 3752: 2005 RA : 2015	0.0025 % to 2 %
186	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Beer,Wine,Whisky,Ru m,Vodka,Gin,Wine,Nib	Methanol Content	IS 3865: 2001 RA: 2014	10 g/100L of absolute alcohol to 30 g/100L of absolute alcohol
187	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Beer,Wine,Whisky,Ru m,Vodka,Gin,Wine,Nib	Total acidity as Tartaric acid	IS 3752: 2005 RA: 2015	1 g/100L to 5000 g/100L
188	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Beer.Whisky,Rum,Vod ka.Wine.Nib,Gin	pH Value	IS 3865:2001 RA: 2014	2 to 14
189	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	BreadBiscuits, Chocolates, Boiled Confectionary	Acid Insoluble Ash	IS 12711: 1989 RA : 2015	0.01 % to 5 %



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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					
190	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	BreadBiscuits, Chocolates, Boiled Confectionary ,Sugar	Crude Fibre	IS 12711:1989 RA: 2005	0.2 % to 15 %
191	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	BreadBiscuits, Chocolates, Boiled Confectionary ,Sugar	Non fat milk solid	IS 1163:1992 RA: 2009	5.0 % to 80 %
192	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	BreadBiscuits, Chocolates, Boiled Confectionary ,Sugar	Acidity of extracted fat	IS 1011:2002 RA: 2013	0.1 % to 5.0 %
193	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	BreadBiscuits, Chocolates, Boiled Confectionary ,Sugar	Ash	IS 12711:1989 RA : 2015	0.1 % to 5.0 %
194	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	BreadBiscuits, Chocolates, Boiled Confectionary ,Sugar	Ash Sulphated	IS 6287:1985 RA : 2015	0.1 % to 5.0 %
195	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	BreadBiscuits, Chocolates, Boiled Confectionary ,Sugar	Fat	IS 6287: 1985 RA : 2015	0.1 % to 50 %
196	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	BreadBiscuits, Chocolates, Boiled Confectionary ,Sugar	Protein	IS 6287: 1985 RA: 2015	0.1 % to 20 %
197	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	BreadBiscuits, Chocolates, Boiled Confectionary ,Sugar	Reducing Sugars	IS 6287:1985 RA : 2015	0.1 % to 50 %
198	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	BreadBiscuits, Chocolates, Boiled Confectionary ,Sugar	Sucrose	IS 6287: 1985 RA : 2015	0.1 % to 70 %



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Permanent Facility					
199	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	BreadBiscuits, Chocolates, led ConfeSugar Boictionary	Moisture	IS 12711:1989 RA : 2015	0.1 % to 50 %
200	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Caramon,Chillies,Cina mon.Corriander,Turmeric,Cum	Non volatile ether extract	IS 1797: 2017	1 % to 80 %
201	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Caramon,Chillies,Cina mon.Corriander,Turmeric,Cumi	Flavours	IS 1797: 2017	Qualitative(NA)
202	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Caramon,Chillies,Cina mon.Corriander,Turmeric,Cumin	Acid insoluble ash	IS 1797: 2017	0.01 % to 10 %
203	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Caramon,Chillies,Cina mon.Corriander,Turmeric,Cumin	Alcohol Soluble extract	IS 1797: 2017	0.1 % to 20 %
204	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Caramon,Chillies,Cina mon.Corriander,Turmeric,Cumin	Cold water soluble extract	IS 1797: 2017	1 % to 80 %
205	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Caramon,Chillies,Cina mon.Corriander,Turmeric,Cumin	Colour	IS 4941:1994 RA : 2014	Qualitative(NA)
206	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Caramon,Chillies,Cina mon.Corriander,Turmeric,Cumin	Crude fibre	IS 1797: 2017	0.1 % to 40 %
207	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Caramon,Chillies,Cina mon.Corriander,Turmeric,Cumin	Extraneous matter	IS 1797: 2017	Qualitative(NA)



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Permanent Facility					
208	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Caramon,Chillies,Cinamon,Corriander,Turmeric,Cumin	Freedom from Foreign matter	IS 4941:1994 RA : 2014	Qualitative(NA)
209	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Caramon,Chillies,Cinamon,Corriander,Turmeric,Cumin	Moisture	IS 1797: 2017	0.1 % to 40 %
210	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Caramon,Chillies,Cinamon,Corriander,Turmeric,Cumin	Test for lead chromate	IS 3576: 2010 RA: 2015	Qualitative(NA)
211	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Caramon,Chillies,Cinamon,Corriander,Turmeric,Cumin	Total Ash	IS 1797: 2017	0.1 % to 40 %
212	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	GHEE	Bellier Turbidity Test	IS 548 (Part 2): 1976 RA: 2015	Qualitative(NA)
213	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Ghee,Oils & Fat	Acid value & Free Fatty ACid	IS 548 (Part 1):1964 RA : 2015	0.04 to 10
214	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Ghee,Oils & Fat	Allylithiocyanate	IS 548 (Part II):1976 RA : 2015	Qualitative
215	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Ghee,Oils & Fat	Clarity	IS 548 (Part 1): 1964 RA: 2015	Qualitative
216	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Ghee,Oils & Fat	Flash point Pensky martens closed	IS 1448 (Part 21): 2012	50 C to 300 C



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Permanent Facility					
217	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Ghee,Oils & Fat	Insoluble impurities	IS 548 (Part 1): 1964 RA : 2015	0.01 % to 20 %
218	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Ghee,Oils & Fat	Iodine value	IS 548(Part 1):1964 RA : 2015	1 to 150
219	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Ghee,Oils & Fat	Mineral Oil	IS 548 (Part 2) :1976 RA: 2015	Qualitative
220	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Ghee,Oils & Fat	Moisture	IS 548(Part 1): 1964 RA: 2015	0.03 % to 20 %
221	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Ghee,Oils & Fat	Peroxide value	IS 548 (Part 1) :1964 RA : 2015	0.1 % to 2.0 %
222	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Ghee,Oils & Fat	Refractive Index	IS 548 (Part 1):1964 RA : 2015	Qualitative
223	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Ghee,Oils & Fat	Richart-Meishel Value	IS 548 (Part 1):1964 RA : 2015	1.0 to 50.0
224	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Ghee,Oils & Fat	Saponification value	IS 548 (Part 1):1964 RA : 2015	100 to 500
225	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Ghee,Oils & Fat	Specific Gravity at 30oC/30oC	IS 548 (Part 1):1964 RA : 2015	0.9 to 1.800



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Permanent Facility					
226	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Ghee,Oils & Fat	Test for presence of Animal Fat	IS 548 (Part 2) :1976 RA : 2015	Qualitative
227	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Ghee,Oils & Fat	Test for presence of Argemone Oil	IS 548 (Part II):1976 RA : 2015	Qualitative
228	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Ghee,Oils & Fat	Test for presence of Castor oil	IS 548(Part 2): 1976 RA: 2015	Qualitative
229	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Ghee,Oils & Fat	Test for presence of Cotton seed oil	IS 548 (Part 2):1976 RA: 2015	Qualitative
230	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Ghee,Oils & Fat	Test for presence of Hydrocyanic Acid	IS 548 (Part 2):1976 RA : 2015	Qualitative
231	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Ghee,Oils & Fat	Test for presence of Karanja oil	IS 548 (Part 2):1976 RA : 2015	Qualitative
232	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Ghee,Oils & Fat	Test for presence of Kusum oil & other oils containing cyanogenic compounds	IS 548(Part 2):1976 RA : 2015	Qualitative
233	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Ghee,Oils & Fat	Test for presence of Linseed oil	IS 548(Part 2): 1976 RA: 2015	Qualitative
234	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Ghee,Oils & Fat	Test for presence of Neem oil	IS 548 (Part 2):1976 RA : 2015	Qualitative



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Permanent Facility					
235	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Ghee,Oils & Fat	Test for presence of Sesame oil	IS 548 (Part 2):1976 RA : 2015	Qualitative
236	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Ghee,Oils & Fat	Unsaponifiable Matter	IS 548 (Part 1) :1964 RA : 2015	0.1 % to 10 %
237	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Honey	Acidity as Formic Acid	IS 4941:1994 RA: 2014	0.05 % to 5.0 %
238	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Honey	Ash	IS 4941:1994 RA: 2014	0.1 % to 5.0 %
239	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Honey	Fiehe's test	IS 4941:1994 RA: 2014	Qualitative
240	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Honey	Fructose/Glucose ratio	IS 4941:1994 RA : 2014	Qualitative(NA)
241	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Honey	General characteristics	IS 4941:1994 RA : 2014	Qualitative
242	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Honey	Moisture	IS 4941:1994 RA : 2014	1.0 % to 30.0 %
243	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Honey	Optical Density @660 nm	IS 4941:1994 RA: 2014	Qualitative(0.1 to 0.5)



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Permanent Facility					
244	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Honey	Refractive Index	IS 4941:1994 RA : 2014	Qualitative(1.400 to 1.600.)
245	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Honey	Sp.Gravity@27 deg C	IS 4941:1994 RA: 2014	1.200 to 1.500
246	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Honey	Sucrose	IS 4941:1994 RA: 2014	1.0 % to 10 %
247	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Honey	Total Reducing Sugars	IS 4941:1994 RA: 2014	50 % to 85 %
248	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Milk,Caesin,Paneer	Added Formaldehyde	IS 1479 (Part 1):1961 RA : 2009	Qualitative
249	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Milk,Caesin,Paneer	Added Starch	IS 1479 (Part 1):1961 RA : 2009	Qualitative
250	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Milk,Caesin,Paneer	Description	IS 1797:1985 RA : 2010	Qualitative
251	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Milk,Caesin,Paneer	Detection of Urea	IS 1479 (Part 1):1961 RA: 2009	Qualitative
252	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Milk,Caesin,Paneer	Milk Fat	IS 1479 (Part 2):1961 RA : 2009	0.1 % to 90 %



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Permanent Facility					
253	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Milk,Caesin,Paneer	Moisture	IS 1479 (Part 2):1961 RA: 2009	0.01 % to 90 %
254	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Milk,Caesin,Paneer	Non Fat Milk Solid	IS 1479 (Part 1):1961 RA 2009: 2009	0.1 % to 50 %
255	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Milk,Caesin,Paneer	Protein	IS 1479 (Part 2):1961 RA : 2009	0.1 % to 15 %
256	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Milk,Caesin,Paneer	Total Ash	IS 1165,1479 (Part 2):1961 RA 2009: 2009	0.1 % to 10 %
257	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Milk,Caesin,Paneer	Titratable acidity (As Lactic Acid)	IS 1479 (Part 1): 1961 RA: 2009	0.01 % to 40 %
258	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Tea	Acid insoluble ash (On Dry Basis)	IS 13857:1993; ISO 1577:1987 RA: 2009	0.1 % to 1.0 %
259	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Tea	Alkalinity of water soluble ash as K ₂ O (On Dry Basis)	IS 13856:1993; ISO 1578:1975 RA: 2009	1.0 % to 3.0 %
260	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Tea	Carbohydrate	IS 1656 :2007 RA: 2018	1 % to 70 %
261	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Tea	Crude fibre (On Dry Basis)	IS 16041:2012 RA: 2017	7.2 % to 20.3 %



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Permanent Facility					
262	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Tea	Energy	UNFAO-2003, ISSN 0254-4725, Chapter 3, page no. 18 & Annex III, page no. 57, 79: 2015	100 Cal/gm to 400 Cal/gm
263	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Tea	Fat	IS 4706 (Part II): 1978 RA: 2015	0.1 % to 5.0 %
264	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Tea	Loss in Mass(Moisture)	IS 13853:1994; ISO 1573:1980 RA: 1994	5.0 % to 10.0 %
265	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Tea	Protein	IS 1656: 2007 RA: 2018	12 % to 30 %
266	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Tea	Total ash (On Dry Basis)	IS 13854: 1994 RA: 2009	3.0 % to 10.0 %
267	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Tea	Water extract (On Dry Basis)	IS: 13862:1999 ISO 9768: 1994	32 % to 48 %
268	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Tea	Water soluble ash of total ash (On Dry Basis)	IS 13855:1993; ISO 1576:1988 RA: 2009	45.0 % to 77.0 %
269	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Wheat Atta, Maida, Suji Rava, Maida-Biscuit, Industry Maida Bread Industry	Acid Insoluble Ash	IS 1010:1968 RA 2015; IS 1009:1979 RA 2015; IS 1155:1968 RA: 2015	0.05 % to 25 %



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Permanent Facility					
270	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Wheat Atta, Maida, Suji Rava, Maida-Biscuit, Industry Maida Bread Industry	Alcoholic Acidity	IS 1009:1979 RA : 2015	0.01 % to 0.5 %
271	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Wheat Atta, Maida, Suji Rava, Maida-Biscuit, Industry Maida Bread Industry	Carbohydrates	IS 1656: 2007 RA: 2018	Qualitative(NA)
272	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Wheat Atta, Maida, Suji Rava, Maida-Biscuit, Industry Maida Bread Industry	Damaged/ Discoloured weevilled grains	IS 4333 (Part 1): 2018	Qualitative(NA)
273	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Wheat Atta, Maida, Suji Rava, Maida-Biscuit, Industry Maida Bread Industry	Description	IS 1010: 1968 RA 2015; IS 1009: 1979 RA 2015; IS 1155: 1968 RA: 2015	Qualitative(NA)
274	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Wheat Atta, Maida, Suji Rava, Maida-Biscuit, Industry Maida Bread Industry	Extraneous matter other edible grains	IS 4333 (Part 1): 2018	Qualitative(NA)
275	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Wheat Atta, Maida, Suji Rava, Maida-Biscuit, Industry Maida Bread Industry	Gluten	IS 1155: 1968 RA 2015; IS 1009:1979 RA: 2015	1 % to 20 %
276	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Wheat Atta, Maida, Suji Rava, Maida-Biscuit, Industry Maida Bread Industry	Granularity	IS 1009: 2015	Qualitative(Visual / Qualitative)



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Permanent Facility					
277	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Wheat Atta, Maida, Suji Rava, Maida-Biscuit, Industry Maida Bread Industry	Immaturebroken Grains	IS 4333 (Part 1): 2018	Qualitative(NA)
278	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Wheat Atta, Maida, Suji Rava, Maida-Biscuit, Industry Maida Bread Industry	Microscopic Exam	IS 1009: 1979 RA 2015; IS 1155: 1968 RA: 2015	Qualitative(NA)
279	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Wheat Atta, Maida, Suji Rava, Maida-Biscuit, Industry Maida Bread Industry	Moisture	IS 1010: 1968 RA: 2015	1 % to 25 %
280	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Wheat Atta, Maida, Suji Rava, Maida-Biscuit, Industry Maida Bread Industry	Protein	IS 1656:2007 RA: 2018	0.1 % to 40 %
281	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Wheat Atta, Maida, Suji Rava, Maida-Biscuit, Industry Maida Bread Industry	Total Ash	IS 1010: 1968 RA 2015, IS 1009:1979 RA 2015, IS 1155: 1968 RA: 2015	0.05 % to 25 %
282	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Wheat Atta, Maida, Suji Rava, Maida-Biscuit, Industry Maida Bread Industry	Total Fat	IS 4706 (Part II):1978 RA: 2015	0.1 % to 30 %
283	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Wine,Whisky,Rum,Bee r,Vodka,Wine,Nib,Gin	Residue on evaporation or Total Solids	IS 3752: 2005 RA: 2015	0.005 % to 10 %
284	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Wine,Whisky,Rum,Bee r,Vodka,Wine,Nib,Gin	Specific Gravity	IS 3506: 1989 RA: 2015	0.8 to 1



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Permanent Facility					
285	CHEMICAL-POLLUTION & ENVIRONMENT	Soil / Sludge	Available Nitrogen	IS 14684:1999 RA: 2014	10 mg/kg to 600 mg/kg
286	CHEMICAL-POLLUTION & ENVIRONMENT	Soil / Sludge	Available Phosphorus	The Fertilizer Control Order 1985,RA: 2018	10 mg/kg to 200 mg/kg
287	CHEMICAL-POLLUTION & ENVIRONMENT	Soil / Sludge	Available Potassium	The Fertilizer Control Order 1985,RA: 2018	10 mg/Kg to 200 mg/Kg
288	CHEMICAL-POLLUTION & ENVIRONMENT	Soil / Sludge	Available Sulphur	IS 2720 (Part 27):1977 RA: 2005	1 mg/Kg to 50 mg / Kg
289	CHEMICAL-POLLUTION & ENVIRONMENT	Soil / Sludge	Boron	The Fertilizer Control Order 1985,RA : 2018	0.1 mg / Kg to 15 mg / Kg
290	CHEMICAL-POLLUTION & ENVIRONMENT	Soil / Sludge	Calcium	The Fertilizer Control Order 1985,RA: 2018	0.1 % to 5.0 %
291	CHEMICAL-POLLUTION & ENVIRONMENT	Soil / Sludge	Calcium Carbonate	IS 2720 (Part-23) :1976 RA: 2005	0.1 % to 10 %
292	CHEMICAL-POLLUTION & ENVIRONMENT	Soil / Sludge	Magnesium	The Fertilizer Control Order 1985, RA: 1985	0.1 % to 3.0 %
293	CHEMICAL-POLLUTION & ENVIRONMENT	Soil / Sludge	Organic Carbon	IS 2720 (Part 22):1972 RA : 2005	0.1 % to 5.0 %



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Permanent Facility					
294	CHEMICAL-POLLUTION & ENVIRONMENT	Soil / Sludge	pH	IS 2720 (Part- 26):1977 RA: 2005	3 to 10
295	CHEMICAL-POLLUTION & ENVIRONMENT	Soil / Sludge	Sodium	The Fertiliser Control Order 1985,RA: 2018	10 mg/Kg to 500 mg/Kg
296	CHEMICAL-POLLUTION & ENVIRONMENT	Soil / Sludge	Soil Moisture	IS 2720 (Part-2) :1973 RA: 2005	0.1 % to 50 %
297	CHEMICAL-POLLUTION & ENVIRONMENT	Soil / Sludge	TKN	IS 14684:1999 RA: 2018	0.1 % to 5 %
298	CHEMICAL-POLLUTION & ENVIRONMENT	Soil/Sludge	Electrical Conductivity(EC)	IS 14767: 2000 RA: 2016	1 milli siemens/cm to 20 milli siemens/cm
299	CHEMICAL-POLLUTION & ENVIRONMENT	Waste Water	Dissolved Oxygen	IS 3025 (Part 38): 1989 RA: 2019	1 mg/l to 8 mg/l
300	CHEMICAL-POLLUTION & ENVIRONMENT	Waste Water (Effluents /Sewage)	pH	IS 3025 (Part 11):1984,RA: 2012	2.0 to 12.0
301	CHEMICAL-POLLUTION & ENVIRONMENT	Waste Water (Effluents /Sewage)	pH	APHA (23rd Edition), 2017, 4500 H+ : 2017	2.0 to 12.0
302	CHEMICAL-POLLUTION & ENVIRONMENT	Waste Water (Effluents /Sewage)	Temperature	APHA (23rd Edition) 2550B: 2017	Qualitative(5 to 50 Deg C)



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Permanent Facility					
303	CHEMICAL-POLLUTION & ENVIRONMENT	Waste Water (Effluents /Sewage)	Total Suspended Solid	APHA (23rd Edition) 2540D: 2017 : 2017	2.5 mg/L to 1000 mg/L
304	CHEMICAL-POLLUTION & ENVIRONMENT	Waste Water/ Effluents/ Sewage	Biochemical Oxygen Demand	IS 3025 (Part 44): 1993 RA : 2009	5.0 mg/L to 2000.0 mg/L
305	CHEMICAL-POLLUTION & ENVIRONMENT	Waste Water/ Effluents/ Sewage	Chemical Oxygen Demand	IS 3025 (Part 58): 2006 RA: 2012	5.0 mg/L to 5000 mg/L
306	CHEMICAL-POLLUTION & ENVIRONMENT	Waste Water/ Effluents/ Sewage	Chemical Oxygen Demand	APHA (23rd Edition) 5220B: 2012	5.0 mg/L to 5000.0 mg/L
307	CHEMICAL-POLLUTION & ENVIRONMENT	Waste Water/ Effluents/ Sewage	Oil and Grease	APHA (23rd Edition) 5520B: 2017	2.0 mg/L to 20.0 mg/L
308	CHEMICAL-POLLUTION & ENVIRONMENT	Waste Water/ Effluents/ Sewage	Total Suspended Solid	APHA (23rd Edition) 2540D: : 2012	2.5 mg/L to 10000 mg/L
309	CHEMICAL-POLLUTION & ENVIRONMENT	Waste Water/ Effluents/Sewage	Biochemical Oxygen Demand	APHA(23rd Edition) 5210B: 2012	5 mg/l to 5000 mg/l
310	CHEMICAL-RESIDUES IN WATER	Water (Drinking Water/Surface Water/Ground Water/ Effluent Water)	Aluminium as Al	IS 15302: 2003, RA : 2014	0.01 mg/L to 0.03 mg/L
311	CHEMICAL-RESIDUES IN WATER	Water (Drinking Water/Surface Water/Ground Water/ Effluent Water)	Aluminium as Al	APHA (23rd Edition), 2012, 3113 B: 2017	0.01 mg/L to 0.03 mg/L



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Permanent Facility					
312	CHEMICAL-RESIDUES IN WATER	Water (Drinking Water/Surface Water/Ground Water/ Effluent Water)	Arsenic as As	APHA (23rd Edition), 2012, 3113, B : 2017	0.01 mg/L to 0.025 mg/L
313	CHEMICAL-RESIDUES IN WATER	Water (Drinking Water/Surface Water/Ground Water/ Effluent Water)	Arsenic as As	IS 3025 (Part 37):1988 RA: 2014	0.01 mg/L to 0.025 mg/L
314	CHEMICAL-RESIDUES IN WATER	Water (Drinking Water/Surface Water/Ground Water/ Effluent Water)	Cadmium as Cd	APHA (23rd Edition), 2017, 3113 B: 2017	0.01 mg/L to 1.0 mg/L
315	CHEMICAL-RESIDUES IN WATER	Water (Drinking Water/Surface Water/Ground Water/ Effluent Water)	Cadmium as Cd	IS 3025 (Part 41): 1992, RA : 2014	0.01 mg/L to 1.0 mg/L
316	CHEMICAL-RESIDUES IN WATER	Water (Drinking Water/Surface Water/Ground Water/ Effluent Water)	Copper as Cu	IS 3025 (Part 42): 1992, RA : 2014	0.05 mg/L to 5.0 mg/L
317	CHEMICAL-RESIDUES IN WATER	Water (Drinking Water/Surface Water/Ground Water/ Effluent Water)	Lead as Pb	APHA (23rd Edition), 2012, 3113 B: 2017	0.005 mg/L to 0.015 mg/L
318	CHEMICAL-RESIDUES IN WATER	Water (Drinking Water/Surface Water/Ground Water/ Effluent Water)	Lead as Pb	IS 3025 (Part 47): 1994, RA : 2014	0.005 mg/L to 0.015 mg/L



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Permanent Facility					
319	CHEMICAL-RESIDUES IN WATER	Water (Drinking Water/Surface Water/Ground Water/ Effluent Water)	Manganese as Mn	APHA (23rd Edition), 2017, 3111 B: 2017	0.01 mg/L to 1.0 mg/L
320	CHEMICAL-RESIDUES IN WATER	Water (Drinking Water/Surface Water/Ground Water/ Effluent Water)	Mercury as Hg	IS 3025 (Part 48): 1994, RA : 2014	0.001 mg/L to 0.02 mg/L
321	CHEMICAL-RESIDUES IN WATER	Water (Drinking Water/Surface Water/Ground Water/ Effluent Water)	Mercury as Hg	APHA (23rd Edition), 2017, 3112 B: 2017	0.001 mg/L to 0.02 mg/L
322	CHEMICAL-RESIDUES IN WATER	Water (Drinking Water/Surface Water/Ground Water/ Effluent Water)	Molybdenum as Mo	APHA (23rd Edition), 3111, D: 2017	0.5 mg/L to 3.0 mg/L
323	CHEMICAL-RESIDUES IN WATER	Water (Drinking Water/Surface Water/Ground Water/ Effluent Water)	Nickel As Ni	IS 3025 (Part 54): 2003, RA : 2014	0.05 mg/l to 2.0 mg/l
324	CHEMICAL-RESIDUES IN WATER	Water (Drinking Water/Surface Water/Ground Water/ Effluent Water)	Selenium as Se	APHA (23 rd Edition), 3114, B: 2017	0.01 mg/L to 1.0 mg/L
325	CHEMICAL-RESIDUES IN WATER	Water (Drinking Water/Surface Water/Ground Water/ Effluent Water)	Selenium as Se	IS 15303: 2003, RA: 2014	0.01 mg/L to 1.0 mg/L



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Permanent Facility					
326	CHEMICAL-RESIDUES IN WATER	Water (Drinking Water/Surface Water/Ground Water/ Effluent Water)	Silver as Ag	APHA (23rd Edition), 2017; 3113 BIS 13428: 2005, Annex J RA : 2014	0.05 mg/L to 2.0 mg/L
327	CHEMICAL-RESIDUES IN WATER	Water (Drinking Water/Surface Water/Ground Water/ Effluent Water)	Total Chromium as Cr	IS 3025 (Part 52): 2003, RA: 2014	0.1 mg/L to 2.0 mg/L
328	CHEMICAL-RESIDUES IN WATER	Water (Drinking Water/Surface Water/Ground Water/ Effluent Water)	Zinc as Zn	IS 3025 (Part 49): 1994, RA: 2014	0.05 mg/L to 2.0 mg/L
329	CHEMICAL-RESIDUES IN WATER	Water (Drinking Water/Surface Water/Ground Water/ Effluent Water)	Zinc as Zn	APHA (23rd Edition), 3111 B: 2017	0.05 mg/L to 2.0 mg/L
330	CHEMICAL-RESIDUES IN WATER	Water(Drinking Water/ Surface Water/Ground Water/Packaged Drinking Water Effluent Water	Total Chromium as Cr	APHA (23rd Edition), 2017, 3111 D: 2017	0.1 mg/L to 3.0 mg/L
331	CHEMICAL- SOLID FUELS	Coal	Ash	IS 1350 (Part 1): 1984 RA: 2013	2.0 % to 60.0 %
332	CHEMICAL- SOLID FUELS	Coal	Fixed Carbon	IS 1350 (Part 1): 1984 RA: 2013	5 % to 90 %
333	CHEMICAL- SOLID FUELS	Coal	Gross Calorific Value	IS 1350 (Part 2): 2017	2000 kcal/kg to 7000 kcaal / kg
334	CHEMICAL- SOLID FUELS	Coal	Moisture Moisture on Air Dried Basis	IS 1350 (Part 1): 1984 RA: 2013	1.0 % to 10.0 %



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Permanent Facility					
335	CHEMICAL- SOLID FUELS	Coal	Moisture Equilibrated @60% Relative Humidity and 40 oC	IS 1350 (Part 1): 1984 RA : 2013	1.0 % to 10.0 %
336	CHEMICAL- SOLID FUELS	Coal	Sulphur	IS 1350 (Part III): 1969	0.15 % to 7.0 %
337	CHEMICAL- SOLID FUELS	Coal & Coke	Volatile Matter	IS 1350 (Part 1): 1984 RA: 2013	5.0 % to 50.0 %
338	CHEMICAL- WATER	Water(Drinking Water/ Surface Water/Ground Water/Packaged Drinking Water Effluent Water	Barium as Ba	APHA (23rd Edition), 2017, 3111 D: 2017	0.1 mg/L to 3.0 mg/L
339	CHEMICAL- WATER	Drinking Water / Surface Water / Ground Water/ /Packaged Drinking Water/ Packaged Natural Mineral Water	Calcium	APHA (23rd Edition), 3500-Ca B: 2017	0.4 mg/L to 200 mg/L
340	CHEMICAL- WATER	Drinking Water / Surface Water / Ground Water/ /Packaged Drinking Water/ Packaged Natural Mineral Water	Turbidity	APHA(23rd Edition) 2130B: 2017	1.0 NTU to 500 NTU



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Permanent Facility					
341	CHEMICAL- WATER	Drinking Water /Surface Water/ Ground Water/Packaged Drinking Water/ Packaged Natural Mineral Water/Water for Processed Food Industries/Irrigation water/Domestic Water/Swimming Pool Water/Water for Construction	Anionic detergent as mbas	IS 13428: 2005 RA : 2014	0.05 mg/L to 3.0 mg/L
342	CHEMICAL- WATER	Drinking Water /Surface Water/ Ground Water/Packaged Drinking Water/ Packaged Natural Mineral Water/Water for Processed Food Industries/Irrigation water/Domestic Water/Swimming Pool Water/Water for Construction	Anionic detergent as mbas	APHA 23rd Edition 2017 5540 C: 2017	0.05 mg/L to 0.3 mg/L



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Permanent Facility					
343	CHEMICAL- WATER	Drinking Water /Surface Water/ Ground Water/Packaged Drinking Water/ Packaged Natural Mineral Water/Water for Processed Food Industries/Irrigation water/Domestic Water/Swimming Pool Water/Water for Construction	Boron as B	APHA 23rd edition 2017 4500 B C: 2017	02 mg/L to 5.0 mg/L
344	CHEMICAL- WATER	Drinking Water /Surface Water/ Ground Water/Packaged Drinking Water/ Packaged Natural Mineral Water/Water for Processed Food Industries/Irrigation water/Domestic Water/Swimming Pool Water/Water for Construction	Boron as B	IS 3025(Part-57): 2005 RA: 2017	0.2 mg/L to 2.0 mg/L



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Permanent Facility					
345	CHEMICAL- WATER	Drinking Water /Surface Water/ Ground Water/Packaged Drinking Water/ Packaged Natural Mineral Water/Water for Processed Food Industries/Irrigation water/Domestic Water/Swimming Pool Water/Water for Construction	Calcium	IS 3025 (Part 40): 1991 RA: 2019	0.4 mg/L to 200.0 mg/L
346	CHEMICAL- WATER	Drinking Water /Surface Water/ Ground Water/Packaged Drinking Water/ Packaged Natural Mineral Water/Water for Processed Food Industries/Irrigation water/Domestic Water/Swimming Pool Water/Water for Construction	Potassium as K	APHA (23rd Edition), 2017, 3500 K- B: 2017	0.5 mg/L to 200 mg/L



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Permanent Facility					
347	CHEMICAL- WATER	Drinking Water /Surface Water/ Ground Water/Packaged Drinking Water/ Packaged Natural Mineral Water/Water for Processed Food Industries/Irrigation water/Domestic Water/Swimming Pool Water/Water for Construction	Sulphide As H ₂ S	APHA 23rd Edition 2017 4500 S ₂ D: 2017	0.02 mg/L to 1.0 mg/L
348	CHEMICAL- WATER	Drinking Water /Surface Water/ Ground Water/Packaged Drinking Water/ Packaged Natural Mineral Water/Water for Processed Food Industries/Irrigation water/Domestic Water/Swimming Pool Water/Water for Construction	Sulphide As H ₂ S	IS 3025(Part-29): 1986 RA: 2019	0.02 mg/L to 0.05 mg/L



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Permanent Facility					
349	CHEMICAL- WATER	Drinking Water /Surface Water/ Ground Water/Packaged Drinking Water/ Packaged Natural Mineral Water/Water for Processed Food Industries/Irrigation water/Domestic Water/Swimming Pool Water/Water for Construction	Turbidity	IS 3025 (Part 10): 1984 RA: 2017	1.0 NTU to 40.0 NTU
350	CHEMICAL- WATER	Drinking Water/Surface Water/Ground Water/Packaged Drinking Water/ Packaged Natural Mineral Water	Alkalinity as CaCO ₃	IS 3025 (Part 23): 1986 RA: 2014	5.0 mg/L to 600.0 mg/L
351	CHEMICAL- WATER	Drinking Water/Surface Water/Ground Water/Packaged Drinking Water/ Packaged Natural Mineral Water	Alkalinity as CaCO ₃	APHA (23rd Edition), 2012, 2320 B: 2017	5.0 mg/L to 600.0 mg/L
352	CHEMICAL- WATER	Drinking Water/Surface Water/Ground Water/Packaged Drinking Water/ Packaged Natural Mineral Water	Calcium	IS 3025 (Part 40):1991 RA : 2014	0.4 mg/L to 200 mg/L



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Permanent Facility					
353	CHEMICAL- WATER	Drinking Water/Surface Water/Ground Water/Packaged Drinking Water/ Packaged Natural Mineral Water	Chloramine	IS 3025 (Part 26): 1986 RA : 2014	0.01 mg/L to 4.0 mg/L
354	CHEMICAL- WATER	Drinking Water/Surface Water/Ground Water/Packaged Drinking Water/ Packaged Natural Mineral Water	Chloride as Cl	IS 3025(Part 32) :1988 RA : 2014	2.0 mg/L to 500 mg/L
355	CHEMICAL- WATER	Drinking Water/Surface Water/Ground Water/Packaged Drinking Water/ Packaged Natural Mineral Water	Chloride as Cl	APHA(23rd Edition)4500 Cl B: 2017	2.0 mg/L to 1000 mg/L
356	CHEMICAL- WATER	Drinking Water/Surface Water/Ground Water/Packaged Drinking Water/ Packaged Natural Mineral Water	Fluoride as F	APHA (23rd Edition), 2012, 4500-F C : 2017	0.1 mg/L to 10.0 mg/L
357	CHEMICAL- WATER	Drinking Water/Surface Water/Ground Water/Packaged Drinking Water/ Packaged Natural Mineral Water	Fluoride as F	IS 3025 (Part 60): 2008 RA : 2013	0.1 mg/L to 10.0 mg/L



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Permanent Facility					
358	CHEMICAL- WATER	Drinking Water/Surface Water/Ground Water/Packaged Drinking Water/ Packaged Natural Mineral Water	Iron as Fe	APHA (23rd Edition),2012, 3500-Fe B: 2017	0.05 mg/L to 1.0 mg/L
359	CHEMICAL- WATER	Drinking Water/Surface Water/Ground Water/Packaged Drinking Water/ Packaged Natural Mineral Water	Iron as Fe	IS 3025(Part 53) 2003, RA 2014: 2014	0.05 mg/L to 1.0 mg/L
360	CHEMICAL- WATER	Drinking Water/Surface Water/Ground Water/Packaged Drinking Water/ Packaged Natural Mineral Water	Magnesium	IS 3025(Part 46):1994 RA: 2019	0.24 mg/L to 120 mg/L
361	CHEMICAL- WATER	Drinking Water/Surface Water/Ground Water/Packaged Drinking Water/ Packaged Natural Mineral Water	Magnesium	APHA (23rd Edition) 3500-Mg, 2012: 2017	0.24 mg/L to 120 mg/L
362	CHEMICAL- WATER	Drinking Water/Surface Water/Ground Water/Packaged Drinking Water/ Packaged Natural Mineral Water	Nitrate as NO ₃	APHA (23rd Edition), 2012, 4500-NO ₃ B : 2017	0.2 mg/L to 45.0 mg/L



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Permanent Facility					
363	CHEMICAL- WATER	Drinking Water/Surface Water/Ground Water/Packaged Drinking Water/ Packaged Natural Mineral Water	pH	APHA (23rd Edition) 4500 H+ B: 2012	2 to 10
364	CHEMICAL- WATER	Drinking Water/Surface Water/Ground Water/Packaged Drinking Water/ Packaged Natural Mineral Water	pH	IS 3025(Part 11):1984 RA: 2012	2 to 12
365	CHEMICAL- WATER	Drinking Water/Surface Water/Ground Water/Packaged Drinking Water/ Packaged Natural Mineral Water	Potassium as K	IS 3025 (Part 45):1993 RA : 2014	0.5 mg/L to 200 mg/L
366	CHEMICAL- WATER	Drinking Water/Surface Water/Ground Water/Packaged Drinking Water/ Packaged Natural Mineral Water	Residual Free Chlorine	IS 3025(Part 26) :1986,RA 2014: 2014	0.1 mg/L to 5.0 mg/L
367	CHEMICAL- WATER	Drinking Water/Surface Water/Ground Water/Packaged Drinking Water/ Packaged Natural Mineral Water	Silica as SiO ₂	IS 3025 (Part 35): 1988 RA: 2014	0.8 mg/L to 50.0 mg/L



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Permanent Facility					
368	CHEMICAL- WATER	Drinking Water/Surface Water/Ground Water/Packaged Drinking Water/ Packaged Natural Mineral Water	Silica as SiO ₂	APHA (23rd Edition), 4500 SiO ₂ D: 2017	0.2 mg/L to 1.0 mg/L
369	CHEMICAL- WATER	Drinking Water/Surface Water/Ground Water/Packaged Drinking Water/ Packaged Natural Mineral Water	Sodium as Na	IS 3025(Part 45):1993 RA: 2014	1.0 mg/L to 200 mg/L
370	CHEMICAL- WATER	Drinking Water/Surface Water/Ground Water/Packaged Drinking Water/ Packaged Natural Mineral Water	Sodium as Na	APHA(23 nd Edition) 3111B, : 2017	1.0 mg/L to 200 mg/L
371	CHEMICAL- WATER	Drinking Water/Surface Water/Ground Water/Packaged Drinking Water/ Packaged Natural Mineral Water	Specific Conductivity	APHA (23nd Edition), 2510 B: 2017	1.0 μS/cm at 25C to 2000 μS/cm at 25C
372	CHEMICAL- WATER	Drinking Water/Surface Water/Ground Water/Packaged Drinking Water/ Packaged Natural Mineral Water	Specific Conductivity	IS 3025 (Part 14): 1986 RA: 2014	1.0 μS/cm at 25oC to 2000 μS/cm at 25oC



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Permanent Facility					
373	CHEMICAL- WATER	Drinking Water/Surface Water/Ground Water/Packaged Drinking Water/ Packaged Natural Mineral Water	Sulphate as SO ₄	IS 3025 (Part 24): 1986, RA 2014: 2014	5.0 mg/L to 400.0 mg/L
374	CHEMICAL- WATER	Drinking Water/Surface Water/Ground Water/Packaged Drinking Water/ Packaged Natural Mineral Water	Sulphate as SO ₄	APHA (23nd Edition), 4500-SO ₄ E : 2012	5.0 mg/L to 400.0 mg/L
375	CHEMICAL- WATER	Drinking Water/Surface Water/Ground Water/Packaged Drinking Water/ Packaged Natural Mineral Water	Total Dissolved Solids	IS 3025(Part 16) : 1984,RA 2014: 2014	2.0 mg/L to 2000 mg/L
376	CHEMICAL- WATER	Drinking Water/Surface Water/Ground Water/Packaged Drinking Water/ Packaged Natural Mineral Water	Total Dissolved Solids	APHA(23 nd Edition) 2540C: 2017	2 mg/L to 2000 mg/L
377	CHEMICAL- WATER	Drinking Water/Surface Water/Ground Water/Packaged Drinking Water/ Packaged Natural Mineral Water	Total Hardness	IS 3025 (Part 21): 2009 RA: 2019	2.0 mg/l to 600.0 mg/l



National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



SCOPE OF ACCREDITATION

Laboratory Name N.D. INTERNATIONAL, 17, JNAN GOSWAMI SARANI, 107 B, BLOCK-F, NEW ALIPORE, KOLKATA, WEST BENGAL, KOLKATA, WEST BENGAL, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5910 Page No. : 53 / 53

Validity 07/06/2019 to 06/06/2021 Last Amended on 24/06/2019

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					
378	CHEMICAL- WATER	Drinking Water/Surface Water/Ground Water/Packaged Drinking Water/ Packaged Natural Mineral Water	Total Hardness	APHA(23rd Edition) 2340 C, : 2017	2.0 mg/l to 600.0 mg/l
379	CHEMICAL- WATER	Drinking Water/Surface Water/Ground Water/Packaged Drinking Water/ Packaged Natural Mineral Water	Turbidity	IS 3025(Part 10) 1984 RA: 2012	1.0 NTU to 40.0 NTU
380	CHEMICAL- WATER	Reagent grade water	Permanganate value	IS 1070:1992 RA 2008 Annex;A: 2008	1 min to 240 min
381	CHEMICAL- WATER	Reagent Grade water	pH at 25 deg.C	APHA (23rd Edition), 2017, 4500 H+ B: 2017	5 to 8
382	CHEMICAL- WATER	Reagent Grade Water	Silica	APHA (23rd Edition), 2017, 4500 SiO ₂ D : 2017	0.2 gm/ml to 1.0 gm/ml
383	CHEMICAL- WATER	Reagent Grade Water	Sp. conductivity at 25°C	APHA (23rd Edition), 2017, 2510 B : 2017	0.8 micromohos/cm at 25 deg.C to 5.0 micromohos/cm at 25 deg.C
384	CHEMICAL- WATER	Reagent Grade water	Total Solids	APHA (23rd Edition), 2540B 2017: 2017	1 gm/ml to 2 gm/ml
385	CHEMICAL- WATER	Water	Nitrate	IS 3025:1988 RA 2003(Part 34): 2003	0.1 mg/l to 45 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.'

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