National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : COCHIN TEST HOUSE, V/78, KOLLANPADY, IRUMPANAM, KOCHI, KERALA, INDIA

Accreditation Standard ISO/IEC 17025:2017

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S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
Permanent Facility				
1	BIOLOGICAL-ENVIRONMENT AND POLLUTION	Air/Surface	Aerobic Microbial Count	APHA 5th Edition Chapter 03
2	BIOLOGICAL-ENVIRONMENT AND POLLUTION	Air/Surface	Yeast and Mold	APHA 5th Edition Chapter 03
3	BIOLOGICAL-ENVIRONMENT AND POLLUTION	Bio Burden Estimation of Classified and non classified area	Aerobic Microbial Count	IS 18593
4	BIOLOGICAL-ENVIRONMENT AND POLLUTION	Bio Burden Estimation of Classified and non classified area	Coliforms	IS 18593
5	BIOLOGICAL-ENVIRONMENT AND POLLUTION	Bio Burden Estimation of Classified and non classified area	E.coli	IS 18593
6	BIOLOGICAL-ENVIRONMENT AND POLLUTION	Bio Burden Estimation of Classified and non classified area	Salmonella	IS 18593
7	BIOLOGICAL-ENVIRONMENT AND POLLUTION	Bio Burden Estimation of Classified and non classified area	Staphylococcus aureus	IS 18593
8	BIOLOGICAL-ENVIRONMENT AND POLLUTION	Bio Burden Estimation of Classified and non classified area	Yeast and mold	IS 18593
9	BIOLOGICAL-ENVIRONMENT AND POLLUTION	Effluents/ Waste Water	E.coli	IS : 1622
10	BIOLOGICAL-ENVIRONMENT AND POLLUTION	Effluents/ Waste Water	Faecal Coliforms	IS : 1622
11	BIOLOGICAL-ENVIRONMENT AND POLLUTION	Effluents/Waste Water	Coliforms	IS : 1622
12	BIOLOGICAL-ENVIRONMENT AND POLLUTION	Effluents/Waste water	Total Plate Count at 37°C for 48 hours	IS : 1622
13	BIOLOGICAL-ENVIRONMENT AND POLLUTION	Sewage	Coliforms	IS : 1622

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14	BIOLOGICAL- ENVIRONMENT AND POLLUTION	Sewage	E.coli	IS : 1622
15	BIOLOGICAL- ENVIRONMENT AND POLLUTION	Sewage	Faecal Coliforms	IS : 1622
16	BIOLOGICAL- ENVIRONMENT AND POLLUTION	Sewage	Total Plate Count at 37°C for 48 hours	IS : 1622
17	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Cereal, Pluses & Cereal Products	Coliforms	BAM Chapter - 4,
18	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Cereal, Pluses & Cereal Products	Coliforms	BAM Chapter - 4,
19	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Cereal, Pluses & Cereal Products	Coliforms	IS : 5401 (Part - 1)
20	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Cereal, Pluses & Cereal Products	Coliforms	IS : 5401 (Part - 2)
21	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Cereal, Pluses & Cereal Products	E.coli	IS : 5887 (Part - 1)
22	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Cereal, Pluses & Cereal Products	E.coli	IS : 5887 (Part - 1)
23	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Cereal, Pluses & Cereal Products	E.coli	IS : 5887 (Part -1)
24	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Cereal, Pluses & Cereal Products	Enterobacteriaceae	IS 17112 (part 2)
25	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Cereal, Pluses & Cereal Products	Salmonella spp.	BAM Chapter - 5,
26	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Cereal, Pluses & Cereal Products	Salmonella spp.	IS : 5887 (Part - 3)
27	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Cereal, Pluses & Cereal Products	Staphylococcus aureus	BAM Chapter - 12,

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28	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Cereal, Pluses & Cereal Products	Staphylococcus aureus	IS : 5887 (Part -2)
29	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Cereal, Pluses & Cereal Products	Total Plate Count	BAM Chapter - 3,
30	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Cereal, Pluses & Cereal Products	Total Plate Count	IS : 5402
31	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Cereal, Pluses & Cereal Products	Yeast and Mold	IS : 5403
32	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Cereals, Pulses & Cereal Products	Bacillus cereus	IS 5887 (part 6)
33	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Fruit & Fruit Products	Bacillus cereus	IS 5887(part 6)
34	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Fruit & Fruit Products	Coliforms	IS : 5401 (Part - 1)
35	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Fruit & Fruit Products	Coliforms	IS : 5401 (Part - 2)
36	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Fruit & Fruit Products	E.coli	IS : 5887 (Part -1)
37	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Fruit & Fruit Products	E.coli	IS : 5887 (Part -1)
38	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Fruit & Fruit Products	E.coli	IS : 5887 (Part -1)
39	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Fruit & Fruit Products	Salmonella spp.	IS : 5887 (Part -3)
40	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Fruit & Fruit Products	Staphylococcus aureus	IS : 5887 (Part -2)
41	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Fruit & Fruit Products	Total Plate Count	IS 5402

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42	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Fruit & Fruit Products	Yeast and mould	IS 5403
43	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Herb, Spices& Condiments(whole ground And oleoresins)	Bacillus cereus	IS 5887 (Part 6)
44	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Herbs, spices & Condiments (whole ,ground and oleoresins)	Staphylococcus aureus	IS : 5887 (Part -2)
45	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Herbs, Spices & Condiments (whole,ground and Oleoreins)	Staphylococcus aureus	BAM Chapter - 12
46	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Herbs, Spices & Condiments(Whole, Ground and Oleoresins)	Coliforms	BAM Chapter - 4
47	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Herbs, Spices & Condiments(whole,Ground and Oleoresins)	Total Plate Count	IS : 5402
48	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Herbs, spices & Condiments(whole,ground and oleoresins)	Enterobacteriaceae	IS 17112(Part 2)
49	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Herbs, spices & Condiments(whole,ground and oleoresins)	Salmonella spp.	BAM Chapter - 5
50	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Herbs,Spices & Condiments (Whole,Ground and Oleoresins)	Total Plate Count	BAM Chapter - 3
51	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Herbs,Spices & Condiments(whole,ground and oleoresins	E.coli	IS : 5887 (Part -1)
52	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Herbs,Spices & Condiments(whole ground and oleoresins	E.coli	IS : 5887 (Part -1)
53	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Herbs,Spices & Condiments(whole ground and oleoresins	Salmonella spp.	IS : 5887 (Part -3)
54	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Herbs,Spices & Condiments(whole ground and oleoresins)	E.coli	IS : 5887 (Part -1)
55	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Herbs,Spices & Condiments(whole, ground and oleoresins)	Coliforms	BAM Chapter - 4

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56	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Herbs,Spices & Condiments(whole, ground and oleoresins)	Coliforms	IS : 5401 (Part - 2)
57	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Herbs,Spices& Condiments(Whole,Ground and Oleoresins)	Coliforms	IS : 5401 (Part - 1)
58	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Herbs,Spices&Condiments(Whole,Ground and Oleoresins)	Yeast and Mold	IS : 5403
59	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Meat & Meat Products	Bacillus cereus	IS 5887 (Part 6)
60	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Meat & Meat Products	Coliforms	IS : 5401 (Part - 1)
61	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Meat & Meat Products	Coliforms	IS : 5401 (Part -2)
62	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Meat & Meat Products	E.coli	IS : 5887 (Part - 1)
63	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Meat & Meat products	E.coli	IS : 5887 (Part -1)
64	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Meat & Meat Products	E.coli	IS : 5887 (Part -1)
65	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Meat & Meat Products	Salmonella spp.	IS : 5887 (Part - 3)
66	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Meat & Meat Products	Staphylococcus aureus	IS : 5887 (Part -2)
67	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Meat & meat Products	Total Plate Count	IS : 5402
68	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Meat & Meat Products	Yeast and Mold	IS : 5403
69	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Milk & Dairy Product	Coliforms	IS : 5401 (Part - 1)

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70	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Milk & Dairy Products	Bacillus cereus	IS 5887(Part-6)
71	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Milk & Dairy products	Coliforms	IS : 5401 (Part - 2)
72	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Milk & Dairy Products	E.coli	IS : 5887 (Part -1)
73	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Milk & Dairy Products	E.coli	IS 5887 (part 1)
74	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Milk & Dairy Products	E.coli	IS 5887 (Part 1)
75	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Milk & Dairy Products	Salmonella spp.	IS : 5887 (Part -3)
76	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Milk & Dairy Products	Staphylococcus aureus	IS : 5887 (Part -2)
77	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Milk & Dairy Products	Total Plate Count	IS : 5402
78	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Milk & Dairy Products	Yeast and Mold	IS : 5403
79	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Snacks and instant Mixes	E.coli	IS : 5887 (Part -1)
80	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Snacks and instant Mixes	Bacillus cereus	IS 5887 (Part 6)
81	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Snacks and Instant Mixes	Coliforms	IS : 5401 (Part - 1)
82	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Snacks and Instant Mixes	Staphylococcus aureus	IS : 5887 (Part -2)
83	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Snacks and Instant mixes	Total Plate Count	IS : 5402

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84	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Snacks and Instant Mixes	Yeast and Mold	IS : 5403
85	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Snacks and Instant Mixes.	Coliforms	IS : 5401 (Part - 2)
86	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Snacks and Instant Mixes.	E.coli	IS : 5887 (Part -1)
87	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Snacks and Instant Mixes.	E.coli	IS : 5887 (Part -1)
88	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Snacks and Instant Mixes.	Salmonella spp.	IS : 5887 (Part -3)
89	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Vegetable & Vegetable products	Coliforms	IS : 5401 (Part - 1)
90	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Vegetable and Vegetable Products	Coliforms	IS : 5401 (Part - 2)
91	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Vegetable and Vegetable Products	E.coli	IS : 5887 (Part - 1)
92	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Vegetable and Vegetable Products	E.coli	IS : 5887 (Part -1)
93	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Vegetable and Vegetable Products	Salmonella spp.	IS : 5887 (Part - 3)
94	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Vegetables & vegetable Products	Bacillus cereus	IS 5887 (part 6)
95	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Vegetables & Vegetable Products	E.coli	IS : 5887 (Part -1)
96	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Vegetables & Vegetable Products	Staphylococcus aureus	IS : 5887 (Part - 2)
97	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Vegetables & Vegetable Products	Total Plate Count	IS : 5402

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98	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Vegetables & Vegetable Products	Yeast and Mold	IS : 5403
99	BIOLOGICAL- WATER	Drinking Water	Coliforms	IS : 15185
100	BIOLOGICAL- WATER	Swimming Pool Water	E.coli	IS : 1622
101	BIOLOGICAL- WATER	Drinking Water	Coliforms	IS : 15185
102	BIOLOGICAL- WATER	Drinking Water	E.coli	IS : 15185
103	BIOLOGICAL- WATER	Drinking Water	E.coli	IS : 15185
104	BIOLOGICAL- WATER	Drinking Water	Faecal Coliforms	IS : 1622
105	BIOLOGICAL- WATER	Drinking Water	Faecal Streptococci	IS : 15186
106	BIOLOGICAL- WATER	Drinking Water	Salmonella spp.	IS : 15187
107	BIOLOGICAL- WATER	Drinking Water	Total Plate Count at 37°C for 48 hours	IS : 1622
108	BIOLOGICAL- WATER	Drinking Water	Yeast and Mold	IS : 5403
109	BIOLOGICAL- WATER	Packaged Drinking Water	Coliforms	IS : 15185
110	BIOLOGICAL- WATER	Packaged Drinking Water	E.coli	IS : 15185
111	BIOLOGICAL- WATER	Packaged Drinking Water	Faecal Streptococci	IS : 15186
112	BIOLOGICAL- WATER	Packaged Drinking Water	Pseudomonas aeruginosa	IS : 13428 (Annex - D)
113	BIOLOGICAL- WATER	Packaged Drinking Water	Salmonella spp.	IS : 15187
114	BIOLOGICAL- WATER	Packaged Drinking Water	Shigella spp.	IS : 5887 (Part - 7)
115	BIOLOGICAL- WATER	Packaged Drinking Water	Staphylococcus aureus	IS : 5887 (Part - 2)
116	BIOLOGICAL- WATER	Packaged Drinking Water	Sulphite Reducing Anaerobes	Is : 13428 (Annex - C)
117	BIOLOGICAL- WATER	Packaged Drinking Water	Total Plate Count at 37±1°C for 24 hours	IS : 5402
118	BIOLOGICAL- WATER	packaged Drinking Water	Total Viable Count at 20 to 22°C for 72 hours	IS : 5402
119	BIOLOGICAL- WATER	Packaged Drinking Water	Vibrio cholerae	IS : 5887 (Part - 5)
120	BIOLOGICAL- WATER	Packaged Drinking Water	Vibrio parahaemolyticus	IS : 5887 (Part - 5)
121	BIOLOGICAL- WATER	Packaged Drinking Water	Yeast and Mold	IS : 5403
122	BIOLOGICAL- WATER	Surface Water, Well Water, Bore - Well Water	Coliforms	IS : 1622
123	BIOLOGICAL- WATER	Surface Water, Well Water, Bore - Well Water	E.coli	IS : 1622
124	BIOLOGICAL- WATER	Surface Water, Well Water, Bore - Well Water	Faecal Coliforms	IS : 1622

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125	BIOLOGICAL- WATER	Surface Water, Well Water, Bore - Well Water	Faecal Streptococci	IS : 15186
126	BIOLOGICAL- WATER	Surface Water, Well Water, Bore - Well Water	Salmonella spp.	IS : 15187
127	BIOLOGICAL- WATER	Surface Water, Well Water, Bore - Well Water	Total Plate Count at 37°C for 48 hours	IS : 1622
128	BIOLOGICAL- WATER	Surface water,Well Water,Bore Well Water	Yeast and Mold	Is 5403
129	BIOLOGICAL- WATER	Swimming Pool Water	Coliforms	IS : 1622
130	BIOLOGICAL- WATER	Swimming Pool Water	Faecal Coliforms	IS : 1622
131	BIOLOGICAL- WATER	Swimming Pool Water	Total Plate Count at 37°C for 48 hours	IS : 1622
132	BIOLOGICAL- WATER	Water for Processed Food Industry	Coliforms	IS : 15185
133	BIOLOGICAL- WATER	Water for Processed Food Industry	Coliforms	IS : 1622
134	BIOLOGICAL- WATER	Water for Processed Food Industry	E.coli	IS : 15185
135	BIOLOGICAL- WATER	Water for Processed Food Industry	E.coli	IS : 1622
136	BIOLOGICAL- WATER	Water for Processed Food INdustry	Faecal Coliforms	IS : 1622
137	BIOLOGICAL- WATER	Water for Processed Food Industry	Faecal Streptococci	IS : 15186
138	BIOLOGICAL- WATER	Water for Processed Food Industry	Lypolytic Bacteria	IS : 4251 (Appendix - A)
139	BIOLOGICAL- WATER	Water for Processed Food Industry	Proteolytic Bacteria	IS : 4251 (Appendix - A)
140	BIOLOGICAL- WATER	Water for Processed Food Industry	Salmonella spp.	IS : 15187
141	BIOLOGICAL- WATER	Water for Processed Food Industry	Total Plate Count at 37°C for 48 hours	IS : 1622
142	BIOLOGICAL- WATER	Water for Processed Food Industry	Yeast and Mold	IS : 5403
143	BIOLOGICAL- WATER	Water for Processing Food Industry	Coliforms	IS : 15185
144	BIOLOGICAL- WATER	Water for Processing Industry	E.coli	IS : 15185
145	BIOLOGICAL- WATER	Well Water, Bore - Well Water	Coliforms	IS : 15185
146	BIOLOGICAL- WATER	Well Water, Bore - Well Water	Coliforms	IS : 15185
147	BIOLOGICAL- WATER	Well Water, Bore - Well Water	E.coli	IS : 15185
148	BIOLOGICAL- WATER	Well Water, Bore - Well Water	E.coli	IS : 15185
149	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air Quality Monitoring	Ammonia	SOP No. CTH/CH/SOP/447
150	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air Quality Monitoring	Arsenic	SOP No. CTH/CH/SOP/491
151	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air Quality Monitoring	Benzene	IS 5182 (Part 11):

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152	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air Quality Monitoring	Benzo (a) Pyrene	IS 5182 (Part 12):
153	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air Quality Monitoring	Carbon Monoxide(CO)	SOP No. CTH/CH/SOP/473 Issue No.01
154	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air Quality Monitoring	Hydrogen sulphide	IS 5182 (Part 7)
155	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air Quality Monitoring	lead	SOP No. CTH/CH/SOP/491
156	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air Quality Monitoring	Nickel	SOP No. CTH/CH/SOP/491
157	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air Quality Monitoring	Nitrogen dioxide (NOx)	IS 5182 (Part 6)
158	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air Quality Monitoring	Ozone as O3	IS 5182 (Part 9)
159	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air Quality Monitoring	PM10 Particulate matter (Size	IS 5182 (Part 23)
160	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air Quality Monitoring	PM2.5 Particulate Matter(Size	SOP No. CTH/CH/SOP/462
161	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air Quality Monitoring	Sulphur dioxide (SO2)	IS 5182 (Part 2)
162	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air Quality Monitoring	Suspended particulate matter(SPM)	IS 5182 (Part 4)
163	CHEMICAL- ATMOSPHERIC POLLUTION	Noise level Monitoring	Ambient Noise Levels	SOP No. CTH/CH/SOP/467
164	CHEMICAL- ATMOSPHERIC POLLUTION	Noise Level Monitoring	Source(DG Set Only)	SOP No. CTH/CH/SOP/468
165	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission Monitoring	Acid mist	SOP No. CTH/CH/SOP/474 Issue No.01 March 2
166	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission Monitoring	Ammonia (NH3)	IS 11255 (Part 6)
167	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission Monitoring	Carbon dioxide (CO2)	SOP No. CTH/CH/SOP/466
168	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission Monitoring	Carbon Monoxide as CO	SOP No. CTH/CH/SOP/458
169	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission Monitoring	Flow rate	IS 11255(Part 3)
170	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission Monitoring	Hydrogen Fluoride	USEPA (Method 13A -1191)

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171	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission Monitoring	Hydrogen sulphide	IS 11255 (Part 4)
172	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission Monitoring	Nickel	USEPA (Method 29-1191)
173	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission Monitoring	Nitrogen dioxide(NOx)	IS 11255 (Part 7)
174	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission Monitoring	Oxygen (O2)	SOP No. CTH/CH/SOP/465
175	CHEMICAL- ATMOSPHERIC POLLUTION	stack emission monitoring	Particulate Matter	IS 11255 (Part 1)
176	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission Monitoring	Sulphur dioixde	IS 11255 (Part 2)
177	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission Monitoring	Temperature	IS 11255(Part 3)
178	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission Monitoring	Vanadium	USEPA (Method 29-1191)
179	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission Monitoring	velocity	IS 11255(Part 3)
180	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission Monitoring	Volume of Emission	IS 11255(Part 3)
181	CHEMICAL- ATMOSPHERIC POLLUTION	Work Environment and Indoor Air Quality	Carbon Dioxide (CO2)	CTH/CH/SOP/510
182	CHEMICAL- ATMOSPHERIC POLLUTION	Work Environment and Indoor Air Quality	Carbon Monoxide (CO)	CTH/CH/SOP/473
183	CHEMICAL- ATMOSPHERIC POLLUTION	Work Environment and Indoor Air Quality	Humidity	CTH/CH/SOP/512
184	CHEMICAL- ATMOSPHERIC POLLUTION	Work Environment and Indoor Air Quality	Indoor PM 10	CTH/CH/SOP/515
185	CHEMICAL- ATMOSPHERIC POLLUTION	Work Environment and Indoor Air Quality	Indoor PM 2.5	CTH/CH/SOP/511
186	CHEMICAL- ATMOSPHERIC POLLUTION	Work Environment and Indoor Air Quality	light illumination	CTH/CH/SOP/510
187	CHEMICAL- ATMOSPHERIC POLLUTION	Work Environment and Indoor Air Quality	Nitrogen Dioxide (NOx)	CTH/CH/SOP/516
188	CHEMICAL- ATMOSPHERIC POLLUTION	Work Environment and Indoor Air Quality	Sulphur Dioxide (SO2)	CTH/CH/SOP/517
189	CHEMICAL- ATMOSPHERIC POLLUTION	Work Environment and Indoor Air Quality	Temperature	CTH/CH/SOP/513

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190	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Cereals, pulses, cereal products, Bakery & confectionery products, Herbs, Spices & Condiments, Infant food, Milk & Diary products, Honey & Honey products, Edible oils & fats	Protein content	IS 7219
191	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Edible oil and fats	Moisture Content	IS 548 (Part 1)
192	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Edible oils and fats	Acid Value	IS 548 (Part 1)
193	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Edible oils and fats	Free Fatty acid	IS 548 (Part 1)
194	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Edible oils and fats	Iodine value	IS 548 (Part 1)
195	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Edible oils and fats	Saponification value	IS 548 (Part 1)
196	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Estimation of Nutritional value of food and agricultural products	fat content	IS 12711
197	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Estimation of Nutritional value of food and agricultural products	Iron content	AOAC 20TH EDITION
198	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Estimation of Nutritional value of food and agricultural products	Potassium	IS 9497
199	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Estimation of Nutritional value of food and agricultural products	sodium	IS 9497
200	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Herbs, spices & condiments	Ash insoluble in dil Hcl	IS 1797
201	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Herbs, spices & condiments	moisture	IS 1797
202	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Herbs, spices & condiments	Total ash	IS 1797
203	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Tea (raw, processed, instant)	Alkalinity of water soluble ash	IS 13856

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204	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Tea (raw, processed, instant)	Ash insoluble in dilute HCl	IS 13854
205	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Tea (raw, processed, instant)	Total ash	IS 13854
206	CHEMICAL- FOOD & AGRICULTURAL PRODUCTS	Tea (raw, processed, instant)	Water soluble Ash	IS 13855
207	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediment/Sludge	Arsenic	USEPA 3050 B
208	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediment/Sludge	Cadmium	USEPA 3050 B
209	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediment/Sludge	chromium	USEPA -3050B
210	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediment/Sludge	cobalt	USEPA-3050 B
211	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediment/Sludge	copper	USEPA 3050 B
212	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediment/Sludge	lead	USEPA 3050B
213	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediment/Sludge	manganese	USEPA-3050B
214	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediment/Sludge	moisture	IS 2720 (P) 2
215	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediment/Sludge	molybdenum	USEPA-3050B
216	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediment/Sludge	nickel	USEPA-3050
217	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediment/Sludge	organic matter	IS 2720(P)22
218	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediment/Sludge	permeability	IS 2720(P)17
219	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediment/Sludge	pH	IS 2720(p) 26
220	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediment/Sludge	porosity	CTH/CH/SOP/504 BASED ON METHODS OF ANALYSIS FOR SOILS OF ARID AND SEMI-ARID REGIONS FAO ROME

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221	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediment/Sludge	Selenium	USEPA 3050 B
222	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediment/Sludge	soil texture	CTH/CH/SOP/507 BASED ON METHOD OF ANALYSIS FOR SOILS OF ARID AND SEMI-ARID REGIONS,FAO ROME
223	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediment/Sludge	specific conductance	IS14767
224	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediment/Sludge	water holding capacity	IS 14765
225	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediment/Sludge	Zinc	USEPA 3050 B
226	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Mixed Liquor Suspended Solids (MLSS)	IS 3025 (Part 17)
227	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water	Colour in treated effluent	IS 3025 (Part 4)
228	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Dissolved Oxygen (DO)	IS 3025 (Part 38)
229	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Mixed Liquor Volatile Suspended Solids (MLVSS)	IS 3025 (Part 18)
230	CHEMICAL- POLLUTION & ENVIRONMENT	waste water	pH	IS 3025 (Part 11)
231	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water (Effluents/Sewage)	Temperature	IS 3025 (Part 9)
232	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water(Sewage/Effluent)	Ammoniacal Nitrogen as NH3-N	IS 3025 (Part 34)
233	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water(Sewage/Effluent)	Antimony	IS 3025 (Part 2)
234	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water(Sewage/Effluent)	Arsenic as As	IS 3025 (Part 2)
235	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water(Sewage/Effluent)	BOD @ 27°C 3 days	IS 3025 (Part 44)
236	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water(Sewage/Effluent)	Cadmium as Cd	IS 3025 (Part 2)
237	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water(Sewage/Effluent)	Calcium as Ca	IS 3025 (Part 40)
238	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water(Sewage/Effluent)	Chemical Oxygen Demand	IS 3025 (Part 58)

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239	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water(Sewage/Effluent)	Chloride as Cl	IS 3025 (Part 32)
240	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water(Sewage/Effluent)	Chromium as Cr	IS 3025 (Part 2)
241	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water(Sewage/Effluent)	Copper as Cu	IS 3025 (Part 2)
242	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water(Sewage/Effluent)	Electrical Conductivity @ 25°C	IS 3025 (Part 14)
243	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water(Sewage/Effluent)	Flouride as F	APHA 23 rd Edition 4500 F- D Spadns method
244	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water(Sewage/Effluent)	Hexavalent Chromium as Cr 6+	APHA 23 rd Edition 3500 Cr B
245	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water(Sewage/Effluent)	Iron as Fe	IS 3025 (Part 53)
246	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water(Sewage/Effluent)	Lead as Pb	IS 3025 (Part 2)
247	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water(Sewage/Effluent)	Magnesium as Mg	IS 3025 (Part 46)
248	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water(Sewage/Effluent)	Manganese as Mn	IS 3025 (Part 2)
249	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water(Sewage/Effluent)	Mercury as Hg	IS 3025 (Part 2)
250	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water(Sewage/Effluent)	Molybdenum	IS 3025 (Part 2)
251	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water(Sewage/Effluent)	Nickel as Ni	IS 3025 (Part 2)
252	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water(Sewage/Effluent)	Nitrate as NO3	IS 3025 (Part 34)
253	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water(Sewage/Effluent)	Nitrite	IS 3025 (Part 34)
254	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water(Sewage/Effluent)	Odour	IS 3025 (Part 5)
255	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water(Sewage/Effluent)	Oil and Grease	IS 3025 (Part 39)
256	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water(Sewage/Effluent)	Phenolic Compounds	IS 3025 (Part 43)
257	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water(Sewage/Effluent)	Potassium as K	IS 3025 (Part 45)

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258	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water(Sewage/Effluent)	Residual free Chlorine	IS 3025 (Part 26)
259	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water(Sewage/Effluent)	Selenium as Se	IS 3025 (Part 2)
260	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water(Sewage/Effluent)	Silver as Ag	IS 3025 (Part 2)
261	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water(Sewage/Effluent)	Sodium as Na	IS 3025 (Part 45)
262	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water(Sewage/Effluent)	Sulphate as SO4	APHA 23 rd Edition 4500 SO42- E
263	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water(Sewage/Effluent)	Sulphide	APHA 23 rd Edition 4500 S- D /F
264	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water(Sewage/Effluent)	Total Alkalinity as CaCO3	IS 3025 (Part 23)
265	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water(Sewage/Effluent)	Total Dissolved Solids	IS 3025 (Part 16)
266	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water(Sewage/Effluent)	Total Hardness as CaCO3	IS 3025 (Part 21)
267	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water(Sewage/Effluent)	Total kjeldhal Nitrogen as N	IS 3025 (Part 34)
268	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water(Sewage/Effluent)	Total Nitrogen	IS 3025 (Part 34)
269	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water(Sewage/Effluent)	Total Phosphate as P	APHA 23 rd Edition 4500 P (C)
270	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water(Sewage/Effluent)	Total Suspended Solids	IS 3025 (Part 17)
271	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water(Sewage/Effluent)	Turbidity in treated effluent	IS 3025 (Part 10)
272	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water(Sewage/Effluent)	Vanadium	IS 3025 (Part 2)
273	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water(Sewage/Effluent)	Zinc as Zn	IS 3025 (Part 2)
274	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water(Sewage/Effluents)	Cyanide as CN	IS 3025 (Part 27)
275	CHEMICAL- RESIDUES IN WATER	Construction Water	Iron	IS 3025 (Part 53)
276	CHEMICAL- RESIDUES IN WATER	Drinking water	Aluminum as Al	IS 3025 (Part 55)

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277	CHEMICAL- RESIDUES IN WATER	Drinking Water	Antimony as Sb	IS 3025 (Part 2)
278	CHEMICAL- RESIDUES IN WATER	Drinking water	Arsenic	IS 3025 (Part 2)
279	CHEMICAL- RESIDUES IN WATER	Drinking Water	Barium as Ba	IS 3025 (Part 2)
280	CHEMICAL- RESIDUES IN WATER	Drinking Water	Boron as B	IS 3025 (Part 2)
281	CHEMICAL- RESIDUES IN WATER	Drinking Water	Cadmium as Cd	IS 3025 (Part 2)
282	CHEMICAL- RESIDUES IN WATER	Drinking Water	Chromium as Cr	IS 3025 (Part 2)
283	CHEMICAL- RESIDUES IN WATER	Drinking Water	Copper as Cu	IS 3025 (Part 2)
284	CHEMICAL- RESIDUES IN WATER	Drinking Water	Iron as Fe	IS 3025 (Part 53)
285	CHEMICAL- RESIDUES IN WATER	Drinking Water	Lead as Pb	IS 3025 (Part 2)
286	CHEMICAL- RESIDUES IN WATER	Drinking Water	Manganese as Mn	IS 3025 (Part 2)
287	CHEMICAL- RESIDUES IN WATER	Drinking Water	Mercury as Hg	IS 3025 (Part 2)
288	CHEMICAL- RESIDUES IN WATER	Drinking Water	Molybdenum as Mo	IS 3025 (Part 2)
289	CHEMICAL- RESIDUES IN WATER	Drinking Water	Nickel as Ni	IS 3025 (Part 2)
290	CHEMICAL- RESIDUES IN WATER	Drinking Water	Selenium as Se	IS 3025 (Part 2)
291	CHEMICAL- RESIDUES IN WATER	Drinking Water	Silver as Ag	IS 3025 (Part 2)
292	CHEMICAL- RESIDUES IN WATER	Drinking Water	Vanadium as V	IS 3025 (Part 2)
293	CHEMICAL- RESIDUES IN WATER	Drinking Water	Zinc	IS 3025 (Part 2)
294	CHEMICAL- RESIDUES IN WATER	Ground Water	Aluminium as Al	IS 3025 (Part 55)
295	CHEMICAL- RESIDUES IN WATER	Ground Water	Arsenic as As	IS 3025 (Part 2)

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296	CHEMICAL- RESIDUES IN WATER	Ground Water	Cadmium as Cd	IS 3025 (Part 2)
297	CHEMICAL- RESIDUES IN WATER	Ground Water	Chromium as Cr	IS 3025 (Part 2)
298	CHEMICAL- RESIDUES IN WATER	Ground Water	Copper as Cu	IS 3025 (Part 2)
299	CHEMICAL- RESIDUES IN WATER	Ground water	Iron as Fe	IS 3025 (Part 53)
300	CHEMICAL- RESIDUES IN WATER	Ground Water	Lead as Pb	IS 3025 (Part 2)
301	CHEMICAL- RESIDUES IN WATER	Ground water	Manganese as Mn	IS 3025 (Part 2)
302	CHEMICAL- RESIDUES IN WATER	Ground water	Nickel as Ni	IS 3025 (Part 2)
303	CHEMICAL- RESIDUES IN WATER	Ground water	Selenium as Se	IS 3025 (Part 2)
304	CHEMICAL- RESIDUES IN WATER	Ground water	Vanadium as V	IS 3025 (Part 2)
305	CHEMICAL- RESIDUES IN WATER	Ground water	Zinc as Zn	IS 3025 (Part 2)
306	CHEMICAL- RESIDUES IN WATER	Packaged Drinking Water	Aluminium as Al	IS 3025 (Part 55)
307	CHEMICAL- RESIDUES IN WATER	Packaged Drinking Water	Antimony as Sb	IS 3025 (Part 2)
308	CHEMICAL- RESIDUES IN WATER	Packaged Drinking Water	Arsenic as As	IS 3025 (Part 2)
309	CHEMICAL- RESIDUES IN WATER	Packaged Drinking Water	Barium as Ba	IS 3025 (Part 2)
310	CHEMICAL- RESIDUES IN WATER	Packaged Drinking Water	Boron as B	IS 3025 (Part 2)
311	CHEMICAL- RESIDUES IN WATER	Packaged Drinking Water	Cadmium as Cd	IS 3025 (Part 2)
312	CHEMICAL- RESIDUES IN WATER	Packaged Drinking Water	Chromium as Cr	IS 3025 (Part 2)
313	CHEMICAL- RESIDUES IN WATER	Packaged Drinking Water	Copper as Cu	IS 3025 (Part 2)
314	CHEMICAL- RESIDUES IN WATER	Packaged Drinking Water	Iron as Fe	IS 3025 (Part 53)

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315	CHEMICAL- RESIDUES IN WATER	Packaged Drinking Water	Lead as Pb	IS 3025 (Part 2)
316	CHEMICAL- RESIDUES IN WATER	Packaged Drinking Water	Manganese as Mn	IS 3025 (Part 2)
317	CHEMICAL- RESIDUES IN WATER	Packaged Drinking Water	Mercury as Hg	IS 3025 (Part 2)
318	CHEMICAL- RESIDUES IN WATER	Packaged Drinking Water	Molybdenum as Mo	IS 3025 (Part 2)
319	CHEMICAL- RESIDUES IN WATER	Packaged Drinking Water	Nickel as Ni	IS 3025 (Part 2)
320	CHEMICAL- RESIDUES IN WATER	Packaged Drinking Water	Selenium as Se	IS 3025 (Part 2)
321	CHEMICAL- RESIDUES IN WATER	Packaged Drinking Water	Silver as Ag	IS 3025 (Part 2)
322	CHEMICAL- RESIDUES IN WATER	Packaged Drinking Water	Vanadium as V	IS 3025 (Part 2)
323	CHEMICAL- RESIDUES IN WATER	Packaged Drinking Water	Zinc as Zn	IS 3025 (Part 2)
324	CHEMICAL- RESIDUES IN WATER	Surface water/Marine water	Arsenic as As	IS 3025 (part 2)
325	CHEMICAL- RESIDUES IN WATER	Surface water/Marine water	Cadmium as Cd	IS 3025 (part 2)
326	CHEMICAL- RESIDUES IN WATER	Surface water/Marine water	Chromium as Cr	IS 3025 (Part 2)
327	CHEMICAL- RESIDUES IN WATER	surface water/Marine water	Copper as Cu	IS 3025 (Part 2)
328	CHEMICAL- RESIDUES IN WATER	surface water/marine water	Iron as Fe	IS 3025 (Part 53)
329	CHEMICAL- RESIDUES IN WATER	surface water/Marine water	Lead as Pb	IS 3025 (Part 2)
330	CHEMICAL- RESIDUES IN WATER	surface water/Marine water	Mercury as Hg	IS 3025 (Part 2)
331	CHEMICAL- RESIDUES IN WATER	surface water/Marine water	Nickel as Ni	IS 3025 (Part 2)
332	CHEMICAL- RESIDUES IN WATER	surface water/Marine water	Selenium as Se	IS 3025 (Part 2)
333	CHEMICAL- RESIDUES IN WATER	surface water/Marine water	Vanadium as V	IS 3025 (Part 2)

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334	CHEMICAL- RESIDUES IN WATER	surface water/Marine water	Zinc as Zn	IS 3025 (Part 2)
335	CHEMICAL- RESIDUES IN WATER	Swimimg Pool water	Iron as Fe	IS 3025 (Part 53)
336	CHEMICAL- RESIDUES IN WATER	Swimming Pool water	Aluminium as Al	IS 3025 (Part 55)
337	CHEMICAL- RESIDUES IN WATER	Swimming Pool Water	LEAD as Pb	IS 3025 (Part 2)
338	CHEMICAL- WATER	Construction Water	Acidity	IS 3025 (Part 22)
339	CHEMICAL- WATER	Construction Water	Chloride	IS 3025 (Part 32)
340	CHEMICAL- WATER	Construction Water	Inorganic Solids	IS 3025 (Part 18)
341	CHEMICAL- WATER	Construction Water	Organic Solids	IS 3025 (Part 18)
342	CHEMICAL- WATER	Construction Water	Sulphate	APHA 23rd Edition-4500 SO4 E
343	CHEMICAL- WATER	Construction Water	Total Alkalinity	IS 3025 (Part 23)
344	CHEMICAL- WATER	Construction Water	Total Dissolved Solids	IS 3025 (Part 16)
345	CHEMICAL- WATER	Construction Water	Total Hardness	IS 3025 (Part 21)
346	CHEMICAL- WATER	Construction Water	Total suspended Soilds	IS 3025 (Part 17)
347	CHEMICAL- WATER	Construction Water	Turbidity	IS 3025 (Part 10)
348	CHEMICAL- WATER	Drinking Water	Anionic Surfactive agent	IS 13428 annex K
349	CHEMICAL- WATER	Drinking Water	Calcium as Ca	IS 3025 (Part 40)
350	CHEMICAL- WATER	Drinking Water	Chloride as Cl	IS 3025 (Part 32)
351	CHEMICAL- WATER	Drinking Water	Colour	IS 3025 (Part 4)
352	CHEMICAL- WATER	Drinking Water	Cyanide as CN	IS 3025 (Part 27)
353	CHEMICAL- WATER	Drinking Water	Electrical Conductivity	IS 3025 (Part 14)
354	CHEMICAL- WATER	Drinking Water	Flouride as F	APHA 23 rd Edition 4500 F^- D spadns method
355	CHEMICAL- WATER	Drinking Water	Hexa valent Chromium as Cr 6+	APHA 23 rd Edition 3500 Cr B
356	CHEMICAL- WATER	Drinking Water	Magnesium as Mg	IS 3025 (Part 46)
357	CHEMICAL- WATER	Drinking Water	Nitrate as NO3	IS 3025 (Part 34)
358	CHEMICAL- WATER	Drinking Water	Odour	IS 3025 (Part 5)
359	CHEMICAL- WATER	Drinking Water	Oxygen absorbed in 4 hrs @27°C	IS 3025 (Part 63)

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S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
360	CHEMICAL- WATER	Drinking Water	pH	IS 3025 (Part 11)
361	CHEMICAL- WATER	Drinking Water	Phenolic compounds as C6H5OH	IS 3025 (Part 43)
362	CHEMICAL- WATER	Drinking Water	Potassium as K	IS 3025 (Part 45)
363	CHEMICAL- WATER	Drinking Water	Reactive Silica as SiO2	IS 3025 (Part 35)
364	CHEMICAL- WATER	Drinking Water	Residual free Chlorine	IS 3025 (Part 26)
365	CHEMICAL- WATER	Drinking Water	Sodium as Na	IS 3025 (Part 45)
366	CHEMICAL- WATER	Drinking Water	Sulphate as SO4	APHA 23 rd Edition 4500 SO42- E
367	CHEMICAL- WATER	Drinking Water	Sulphide	APHA 23 rd Edition 4500 S- D /F
368	CHEMICAL- WATER	Drinking Water	Taste	IS 3025 (Part 7)
369	CHEMICAL- WATER	Drinking Water	Total Alkalinity as CaCO3	IS 3025 (Part 23)
370	CHEMICAL- WATER	Drinking Water	Total Dissolved Solids	IS 3025 (Part 16)
371	CHEMICAL- WATER	Drinking Water	Total Hardness as CaCO3	IS 3025 (Part 21)
372	CHEMICAL- WATER	Drinking Water	Total suspended solids	IS 3025 (Part 17)
373	CHEMICAL- WATER	Drinking Water	Turbidity	IS 3025 (Part 10)
374	CHEMICAL- WATER	Ground water	Biological Oxygen Demand	IS 3025 (Part 44)
375	CHEMICAL- WATER	Ground Water	Calcium as Ca	IS 3025 (Part 40)
376	CHEMICAL- WATER	Ground water	Calcium Hardness as CaCO3	IS 3025 (Part 40)
377	CHEMICAL- WATER	Ground water	Chemical oxygen demand	IS 3025 (Part 58)
378	CHEMICAL- WATER	Ground Water	Chloramines	IS 3025 (Part 26)
379	CHEMICAL- WATER	Ground Water	Chloride as Cl	IS 3025 (Part 32)
380	CHEMICAL- WATER	Ground Water	Colour	IS 3025 (Part 4)
381	CHEMICAL- WATER	Ground Water	Cyanide as CN	IS 3025 (Part 27)
382	CHEMICAL- WATER	Ground water	Dissolved Oxygen	IS 3025 (Part 38)
383	CHEMICAL- WATER	Ground Water	Electrical Conductivity	IS 3025 (Part 14)
384	CHEMICAL- WATER	Ground Water	Fluoride as F	APHA 23rd Edition 4500 F- D
385	CHEMICAL- WATER	Ground Water	Hexavalent Chromium as Cr6+	APHA 23rd Edition -3500 Cr B
386	CHEMICAL- WATER	Ground Water	Magnesium as Mg	IS 3025 (Part 46)
387	CHEMICAL- WATER	Ground water	Magnesium Hardness as CaCO3	IS 3025 (Part 46)

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S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
388	CHEMICAL- WATER	Ground water	Nitrate as NO3	IS 3025 (Part 34)
389	CHEMICAL- WATER	Ground water	Odour	IS 3025 (Part 5)
390	CHEMICAL- WATER	Ground water	Oil & Grease	IS 3025 (Part 39)
391	CHEMICAL- WATER	Ground water	Oxygen absorbed in 4 Hours at 27°C	IS 3025 (Part 63)
392	CHEMICAL- WATER	Ground water	pH	IS 3025 (Part 11)
393	CHEMICAL- WATER	Ground Water	Phenolic compounds as C6H5OH	IS 3025 (Part 43)
394	CHEMICAL- WATER	Ground Water	Potassium as K	IS 3025 (Part 45)
395	CHEMICAL- WATER	Ground Water	Reactive Silica as SiO2	IS 3025 (Part 35)
396	CHEMICAL- WATER	Ground Water	Residual Free Chlorine	IS 3025 (Part 26)
397	CHEMICAL- WATER	Ground water	Salinity	CTH/CH/SOP/522
398	CHEMICAL- WATER	Ground Water	Sodium as Na	IS 3025 (Part 45)
399	CHEMICAL- WATER	Ground Water	Sulphate as So4	APHA : 23rd Edition 4500 SO42- E
400	CHEMICAL- WATER	Ground Water	Sulphide	APHA: 23rd Edition 4500 S D/F
401	CHEMICAL- WATER	Ground water	Taste	IS 3025 (Part 7)
402	CHEMICAL- WATER	Ground water	Temperature	IS 3025 (Part 9)
403	CHEMICAL- WATER	Ground Water	Total Alkalinity as CaCO3	IS 3025 (Part 23)
404	CHEMICAL- WATER	Ground Water	Total Dissolved Solids	IS 3025 (Part 16)
405	CHEMICAL- WATER	Ground Water	Total Hardness as CaCO3	IS 3025(Part 21)
406	CHEMICAL- WATER	Ground Water	Total Suspended Solids	IS 3025 (Part 17)
407	CHEMICAL- WATER	Ground Water	Turbidity	IS 3025 (Part 10)
408	CHEMICAL- WATER	Packaged Drinking water	Hexavalent Chromium as Cr6+	APHA 23rd Edition -3500 Cr B
409	CHEMICAL- WATER	Packaged Drinking Water	Anionic Surface active agent	IS 13428 annex k
410	CHEMICAL- WATER	Packaged Drinking Water	Calcium as Ca	IS 3025 (Part 40)
411	CHEMICAL- WATER	Packaged Drinking Water	Chloride as Cl	IS 3025 (Part 32)
412	CHEMICAL- WATER	Packaged Drinking water	Colour	IS 3025 (Part 4)
413	CHEMICAL- WATER	Packaged Drinking water	Cyanide as CN	IS 3025 (Part 27)
414	CHEMICAL- WATER	Packaged Drinking water	Electrical Conductivity	IS 3025 (Part 14)
415	CHEMICAL- WATER	Packaged Drinking water	Fluoride as F	APHA 23rd Edition 4500 F- D SPADNS Method

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S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
416	CHEMICAL- WATER	Packaged Drinking water	Magnesium as Mg	IS 3025 (Part 46)
417	CHEMICAL- WATER	Packaged Drinking water	Nitrate as NO3	IS 3025 (Part 34)
418	CHEMICAL- WATER	Packaged Drinking water	Odour	IS 3025 (Part 5)
419	CHEMICAL- WATER	Packaged Drinking water	Oxygen absorbed in 4 hrs @ 27°C	IS 3025 (Part 63)
420	CHEMICAL- WATER	Packaged Drinking water	pH	IS 3025 (Part 11)
421	CHEMICAL- WATER	Packaged Drinking Water	Phenolic compounds as C6H5OH	IS 3025 (Part 43)
422	CHEMICAL- WATER	Packaged Drinking water	Potassium as K	IS 3025 (Part 45)
423	CHEMICAL- WATER	Packaged Drinking water	Reactive Silica as SiO2	IS 3025 (Part 35)
424	CHEMICAL- WATER	Packaged Drinking water	Residual free Chlorine	IS 3025 (Part 26)
425	CHEMICAL- WATER	Packaged Drinking water	Sodium as Na	IS 3025 (Part 45)
426	CHEMICAL- WATER	Packaged Drinking water	Sulphate as SO4	APHA 23rd Edition 4500 SO4 E
427	CHEMICAL- WATER	Packaged Drinking water	Sulphide	APHA 23rd Edition 4500 S- D/F
428	CHEMICAL- WATER	Packaged Drinking Water	Taste	IS 3025 (Part 7)
429	CHEMICAL- WATER	Packaged Drinking water	Total Alkalinity as CaCo3	IS 3025 (Part 23)
430	CHEMICAL- WATER	Packaged Drinking water	Total Dissolved Solids	IS 3025 (Part 16)
431	CHEMICAL- WATER	Packaged Drinking water	Total Hardness as CaCO3	IS 3025 (Part 21)
432	CHEMICAL- WATER	Packaged Drinking water	Total Suspended Solids	IS 3025 (Part 17)
433	CHEMICAL- WATER	Packaged Drinking water	Turbidity	IS 3025 (Part 10)
434	CHEMICAL- WATER	Surface water/Marine water	Anionic Surface Active agent	IS 13428 annex- k
435	CHEMICAL- WATER	Surface water/Marine water	Biological oxygen Demand	IS 3025 (Part 44)
436	CHEMICAL- WATER	surface water/Marine water	Calcium as Ca	IS 3025 (Part 40)
437	CHEMICAL- WATER	Surface water/Marine water	Calcium Hardness as CaCO3	IS 3025 (Part 40)
438	CHEMICAL- WATER	Surface water/Marine water	Chemical Oxygen Demand	IS 3025 (Part 58)
439	CHEMICAL- WATER	surface water/Marine water	chloramines	IS 3025 (Part 26)
440	CHEMICAL- WATER	Surface Water/Marine water	Chloride as Cl	IS 3025 (Part 32)
441	CHEMICAL- WATER	Surface Water/Marine water	Colour	IS 3025 (Part 4)
442	CHEMICAL- WATER	surface water/Marine water	Cyanide as CN	IS 3025 (Part 27)
443	CHEMICAL- WATER	Surface water/Marine water	Dissolved Oxygen	IS 3025 (Part 38)
444	CHEMICAL- WATER	surface water/Marine water	Electrical Conductivity	IS 3025 (Part 14)

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S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
445	CHEMICAL- WATER	surface water/Marine water	Fluoride as F	APHA : 23rd Edition 4500 F- D
446	CHEMICAL- WATER	surface water/Marine water	Hexavalent Chromium as Cr6+	APHA: 23rd Edition -3500 Cr B
447	CHEMICAL- WATER	surface water/Marine water	Magnesium as Mg	IS 3025 (Part 46)
448	CHEMICAL- WATER	Surface water/Marine water	Magnesium Hardness as CaCO3	IS 3025 (Part 46)
449	CHEMICAL- WATER	surface water/Marine water	Nitrate as NO3	IS 3025 (Part 34)
450	CHEMICAL- WATER	surface water/Marine water	Odour	IS 3025 (Part 5)
451	CHEMICAL- WATER	Surface water/Marine water	Oil & Grease	IS 3025 (Part 39)
452	CHEMICAL- WATER	surface water/Marine water	Oxygen absorbed in 4 Hours at 27°C	IS 3025 (Part 63)
453	CHEMICAL- WATER	surface water/Marine water	pH	IS 3025 (Part 11)
454	CHEMICAL- WATER	surface water/Marine water	Phenolic compounds as C6H5OH	IS 3025 (Part 43)
455	CHEMICAL- WATER	surface water/Marine water	Potassium as K	IS 3025 (Part 45)
456	CHEMICAL- WATER	surface water/Marine water	Reactive Silica as SiO2	IS 3025 (Part 35)
457	CHEMICAL- WATER	surface water/Marine water	Residual free chlorine	IS 3025 (Part 26)
458	CHEMICAL- WATER	Surface water/Marine water	Salinity	CTH/CH/SOP/522
459	CHEMICAL- WATER	surface water/Marine water	Sodium as Na	IS 3025 (Part 45)
460	CHEMICAL- WATER	surface water/Marine water	Sulphate as SO4	APHA: 23rd Edition -4500 SO42- E
461	CHEMICAL- WATER	surface water/Marine water	Sulphide	APHA: 23 rd Edition 4500 S D/F
462	CHEMICAL- WATER	Surface water/Marine water	Taste	IS 3025 (Part 7)
463	CHEMICAL- WATER	Surface water/Marine water	Temperature	IS 3025 (Part 9)
464	CHEMICAL- WATER	surface water/Marine water	Total Alkalinity as CaCO3	IS 3025 (Part 23)
465	CHEMICAL- WATER	surface water/Marine water	Total Dissolved Solids	IS 3025 (Part 16)
466	CHEMICAL- WATER	surface water/Marine water	Total Hardness as CaCO3	IS 3025 (Part 21)
467	CHEMICAL- WATER	surface water/Marine water	Total Suspended Solids	IS 3025 (Part 17)
468	CHEMICAL- WATER	surface water/Marine water	Turbidity	IS 3025 (Part 10)
469	CHEMICAL- WATER	Swimming Pool Water	Chloride as Cl	IS 3025 (Part 32)
470	CHEMICAL- WATER	Swimming Pool Water	Colour	IS 3025 (Part 4)
471	CHEMICAL- WATER	Swimming Pool Water	Odour	IS 3025 (Part 5)

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S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
472	CHEMICAL- WATER	Swimming Pool Water	Oxygen Absorbed in 4 hrs at 27°C	IS 3025 (Part 63)
473	CHEMICAL- WATER	Swimming Pool Water	pH	IS 3025 (Part 11)
474	CHEMICAL- WATER	Swimming Pool Water	Residual Free Chlorine	IS 3025 (Part 26)
475	CHEMICAL- WATER	Swimming Pool Water	Total Alkalinity as CaCO3	IS 3025 (Part 23)
476	CHEMICAL- WATER	Swimming Pool Water	Total Dissolved Solids	IS 3025 (Part 16)
477	CHEMICAL- WATER	Swimming pool water	Turbidity	IS 3025 (Part 10)

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.