National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : ECO SERVICES INDIA PRIVATE LIMITED (LABORATORY DIVISION), NO. 1/134, DHANAKOTIRAJA STREET, SUNDAR NAGAR, EKKADUTHANGAL, GUINDY, CHENNAI, TAMIL NADU, INDIA

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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	Effluents/Waste water	E.coli/Thermo tolerant Bacteria	APHA 23rd Edition (9221 F)
2	BIOLOGICAL-ENVIRONMENT AND POLLUTION	Effluents/Waste water	Faecal Coliform	APHA 23rd Edition (9221 E)
3	BIOLOGICAL-ENVIRONMENT AND POLLUTION	Effluents/Waste water	Faecal streptococci	APHA 23rd Edition (9230 B)
4	BIOLOGICAL-ENVIRONMENT AND POLLUTION	Effluents/Waste water	Heterotropic count	APHA 23rd Edition (9215 B)
5	BIOLOGICAL-ENVIRONMENT AND POLLUTION	Effluents/Waste water	Total Coliform	APHA 23rd Edition (9221 B)
6	BIOLOGICAL-ENVIRONMENT AND POLLUTION	Sewage	E.coli/Thermo tolerant Bacteria	APHA 23rd Edition (9221 F)
7	BIOLOGICAL-ENVIRONMENT AND POLLUTION	Sewage	Faecal Coliform	APHA 23rd Edition (9221 E)
8	BIOLOGICAL-ENVIRONMENT AND POLLUTION	Sewage	Faecal streptococci	APHA 23rd Edition (9230 B)
9	BIOLOGICAL-ENVIRONMENT AND POLLUTION	Sewage	Heterotropic Count	APHA 23rd Edition (9215 B)
10	BIOLOGICAL-ENVIRONMENT AND POLLUTION	Sewage	Total Coliform	APHA 23rd Edition (9221 B)
11	BIOLOGICAL- WATER	Drinking Water	E.coli/Thermotolerant Bacteria	APHA 23rd Edn. (9221-F)
12	BIOLOGICAL- WATER	Drinking Water	E.coli/Thermotolerant Bacteria	IS 1622
13	BIOLOGICAL- WATER	Drinking Water	Faecal Coliforms	APHA 23rd Edn. (9221-E)
14	BIOLOGICAL- WATER	Drinking Water	Faecal Coliforms	IS 1622
15	BIOLOGICAL- WATER	Drinking Water	Faecal streptococci	APHA 23rd Edn. (9230-B)
16	BIOLOGICAL- WATER	Drinking Water	Faecal streptococci	IS 1622
17	BIOLOGICAL- WATER	Drinking Water	Heterotropic Count	APHA 23rd Edn. (9215 B)

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18	BIOLOGICAL- WATER	Drinking Water	Standard Plate Count	IS 1622
19	BIOLOGICAL- WATER	Drinking Water	Total Coliforms	APHA 23rd Edn. (9221-B)
20	BIOLOGICAL- WATER	Drinking Water	Total Coliforms	IS 1622
21	BIOLOGICAL- WATER	Ground Water/ Surface Water	E.coil/ Thermo tolerant Bacteria	APHA 23rd Edn. (9221-F)
22	BIOLOGICAL- WATER	Ground Water/ Surface Water	Faecal coliform	APHA 23rd Edn. (9221-E)
23	BIOLOGICAL- WATER	Ground Water/ Surface Water	Faecal streptococci	APHA 23rd Edn. (9230-B)
24	BIOLOGICAL- WATER	Ground Water/ Surface Water	Heterotropic Count	APHA 23rd Edn. (9215-B)
25	BIOLOGICAL- WATER	Ground Water/ Surface Water	Total Coliform	APHA 23rd Edn. (9221-B)
26	BIOLOGICAL- WATER	Ground Water/Surface Water	E.coil/ Thermo tolerant Bacteria	IS 1622
27	BIOLOGICAL- WATER	Ground Water/Surface Water	Faecal Coliforms	IS 1622
28	BIOLOGICAL- WATER	Ground Water/Surface Water	Faecal Streptococci	IS 1622
29	BIOLOGICAL- WATER	Ground Water/Surface Water	Standard Plate Count	IS 1622
30	BIOLOGICAL- WATER	Ground Water/Surface Water	Total Coliforms	IS 1622
31	BIOLOGICAL- WATER	Packaged Drinking Water	Coliforms	IS 15185
32	BIOLOGICAL- WATER	Packaged Drinking Water	E.coli	IS 15185
33	BIOLOGICAL- WATER	Packaged Drinking Water	Total Viable Colony Count @ 22°C for 72 hours	IS 5402
34	BIOLOGICAL- WATER	Packaged Drinking Water	Total Viable Colony Count @37°C for 24 hrs	IS 5402
35	BIOLOGICAL- WATER	Packaged Natural Mineral Water	Coliforms	IS 15185
36	BIOLOGICAL- WATER	Packaged Natural Mineral Water	E.coli	IS 15185
37	BIOLOGICAL- WATER	Packaged Natural Mineral Water	Total Viable Colony Count @ 22°C for 72 hours	IS 5402
38	BIOLOGICAL- WATER	Packaged Natural Mineral Water	Total Viable Colony Count @37°C for 24 hrs	IS 5402
39	BIOLOGICAL- WATER	Water for Food Industry	Coliforms	IS 1622
40	BIOLOGICAL- WATER	Water for Food Industry	Standard Plate Count	IS 1622
41	BIOLOGICAL- WATER	Water for Swimming Pool	Coliforms	IS 1622
42	BIOLOGICAL- WATER	Water for Swimming Pool	Standard Plate Count	IS 1622
43	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Ammonia as NH3	ESIPL/SOP/C-AA/07

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44	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Dust Fall	IS 5182 (Part 1)
45	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Nitrogen dioxide (NO2)	IS 5182 (Part 6)
46	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Ozone (O3)	IS 5182 (Part 9)
47	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Particulate Matter (Size less than 10 micrometer) or PM10	IS 5182 (Part 23)
48	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Particulate Matter (Size less than 2.5 micrometer) or PM2.5	ESIPL/SOP/C-AA/03
49	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Sulphur dioxide (SO2)	IS 5182 (Part 2)
50	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Noise Levels (Excluding vibration)	Noise Monitoring - Leq, L min, L Max, SPL	IS 9989
51	CHEMICAL- ATMOSPHERIC POLLUTION	Source Noise Levels (Excluding vibration)	Noise Monitoring (Insertion loss for DG Noise monitoring) Leq, L min, L Max, SPL	IS 9989
52	CHEMICAL- ATMOSPHERIC POLLUTION	Stack emission	Ammonia	IS 11255 (Part 6)
53	CHEMICAL- ATMOSPHERIC POLLUTION	Stack emission	CO (by Orsat method)	IS 13270
54	CHEMICAL- ATMOSPHERIC POLLUTION	Stack emission	CO2 (by Orsat method)	IS 13270
55	CHEMICAL- ATMOSPHERIC POLLUTION	Stack emission	Flow Rate	IS 11255 (Part 3)
56	CHEMICAL- ATMOSPHERIC POLLUTION	Stack emission	Nitrogen Oxides	IS 11255 (Part 7)
57	CHEMICAL- ATMOSPHERIC POLLUTION	Stack emission	O2 (by Orsat method)	IS 13270
58	CHEMICAL- ATMOSPHERIC POLLUTION	Stack emission	Particulate Matter	IS 11255 (Part 1)
59	CHEMICAL- ATMOSPHERIC POLLUTION	Stack emission	Sulphur dioxide	IS 11255 (Part 2)
60	CHEMICAL- ATMOSPHERIC POLLUTION	Stack emission	Temperature	IS 11255 (Part 3)
61	CHEMICAL- ATMOSPHERIC POLLUTION	Stack emission	Velocity	IS 11255 (Part 3)

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62	CHEMICAL- ATMOSPHERIC POLLUTION	Work Enviroment and Indoor Air Quality	Humidity	ESIPL/SOP/C-IA/12
63	CHEMICAL- ATMOSPHERIC POLLUTION	Work Environment and Indoor Air Quality	Ammonia	NIOSH 6015
64	CHEMICAL- ATMOSPHERIC POLLUTION	Work Environment and Indoor Air Quality	Carbon Monoxide	NIOSH 6604
65	CHEMICAL- ATMOSPHERIC POLLUTION	Work Environment and Indoor Air Quality	Dew Point	ESIPL/SOP/C-IA/13
66	CHEMICAL- ATMOSPHERIC POLLUTION	Work Environment and Indoor Air Quality	Formaldehyde	NIOSH 3500
67	CHEMICAL- ATMOSPHERIC POLLUTION	Work Environment and Indoor Air Quality	Illumination	ESIPL/SOP/C-IA/10
68	CHEMICAL- ATMOSPHERIC POLLUTION	Work Environment and Indoor Air Quality	Nitric Oxide & Nitrogen dioxide	NIOSH 6014
69	CHEMICAL- ATMOSPHERIC POLLUTION	Work Environment and Indoor Air Quality	Oxygen (O2)	NIOSH 6601
70	CHEMICAL- ATMOSPHERIC POLLUTION	Work Environment and Indoor Air Quality	Respirable Aerosol Mass	NIOSH 0600
71	CHEMICAL- ATMOSPHERIC POLLUTION	Work Environment and Indoor Air Quality	Temperature	ESIPL/SOP/C-IA/09
72	CHEMICAL- ATMOSPHERIC POLLUTION	Work Environment and Indoor Air Quality	Total Aerosol Mass	NIOSH 0501
73	CHEMICAL- ATMOSPHERIC POLLUTION	Work Environment and Indoor Air Quality	Velocity	ESIPL/SOP/C-IA/11
74	CHEMICAL- POLLUTION & ENVIRONMENT	ETP & STP Sludge	Moisture content	ESIPL/SOP/C-SW/09
75	CHEMICAL- POLLUTION & ENVIRONMENT	ETP & STP Sludge	Organic Carbon	ESIPL/SOP/C-SW/08
76	CHEMICAL- POLLUTION & ENVIRONMENT	ETP & STP Sludge	Organic Matter	ESIPL/SOP/C-SW/08
77	CHEMICAL- POLLUTION & ENVIRONMENT	ETP & STP Sludge	pH	IS 10158
78	CHEMICAL- POLLUTION & ENVIRONMENT	ETP & STP Sludge	Phosphate as PO4	IS 10158
79	CHEMICAL- POLLUTION & ENVIRONMENT	ETP & STP Sludge	Potassium	IS 10158
80	CHEMICAL- POLLUTION & ENVIRONMENT	ETP & STP Sludge	Total Kjheldal Nitrogen (TKN)	IS 14684

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81	CHEMICAL- POLLUTION & ENVIRONMENT	ETP & STP Sludge	Volatile and Semi volatile substances	IS 10158
82	CHEMICAL- POLLUTION & ENVIRONMENT	Municipal Soild Waste	Organic Carbon	ESIPL/SOP/C-SW/08
83	CHEMICAL- POLLUTION & ENVIRONMENT	Municipal Solid Waste	Ash content	IS 10158
84	CHEMICAL- POLLUTION & ENVIRONMENT	Municipal Solid Waste	Electric Conductivity	ESIPL/SOP/C-SW/07
85	CHEMICAL- POLLUTION & ENVIRONMENT	Municipal Solid Waste	Moisture Content	ESIPL/SOP/C-SW/09
86	CHEMICAL- POLLUTION & ENVIRONMENT	Municipal Solid Waste	Organic Matter	ESIPL/SOP/C-SW/08
87	CHEMICAL- POLLUTION & ENVIRONMENT	Municipal Solid Waste	pH	IS 10158
88	CHEMICAL- POLLUTION & ENVIRONMENT	Municipal Solid Waste	Phosphate as PO4	IS 10158
89	CHEMICAL- POLLUTION & ENVIRONMENT	Municipal Solid Waste	Potassium	IS 10158
90	CHEMICAL- POLLUTION & ENVIRONMENT	Municipal Solid Waste	Total Kjheldal Nitrogen (TKN)	IS 14684
91	CHEMICAL- POLLUTION & ENVIRONMENT	Municipal Solid Waste	Volatile and Semi volatile substances	IS 10158
92	CHEMICAL- POLLUTION & ENVIRONMENT	Sludge	Oil and Grease	ESIPL/SOP/C-S/24
93	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Grain Size Analysis 2.0 mm	IS 2720 (Part 4)
94	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Grain Size Analysis 4.75mm	IS 2720 (Part 4)
95	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Grain Size Analysis 425 micrometer	IS 2720 (part 4)
96	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Grain Size Analysis 75 micrometer	IS 2720 (Part 4)
97	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Moisture	IS 2720 (Part 2)
98	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Organic Carbon	IS 2720 (Part 22)
99	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Organic Matter	IS 2720 (Part 22)

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100	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	pH	IS 2720 (Part 26)
101	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Total Water Soluble Solids	IS 2720 (Part 21)
102	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Available Phosphorous	ESIPL-SOP/C-S/11; Issue No.01; Issue date 06.03.2017
103	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Available Potassium	ESIPL-SOP/C-S/21; Issue No.01; Issue date 06.03.2017
104	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Bulk Density	ESIPL-SOP/C-S/23; Issue No. 01; Issue date 06.03.2017
105	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Cation Exchange Capacity (CEC)	ESIPL/SOP/C-S/10;Issue No.01; Issue date 05.11.2014
106	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Chromium as Cr	USEPA 3060A
107	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Electrical Conductivity	IS 14767
108	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Infiltration Rate	ESIPL/SOP/C-S/18; Issue No.01; Issue date 05.11.2014
109	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Oil and Grease	APHA 23rd Edition (5520 E)
110	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Soil Texture: (Sand, Sillt & Clay)	ESIPL/SOP/C-S/04 Issue No.01 05.11.2014
111	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Soluble Magnesium	FAO
112	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Soluble Potasssium	FAO
113	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Sulphate	ESIPL/SOP/C-S/16 Issue No.01 05.11.2014
114	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Total Kjeldahl Nitrogen	IS 14684
115	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Total Phosphorous as P	ESIPL-SOP/C-S/20 Issue No.01 06.03.2017
116	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Total Potassium as K	ESIPL-SOP/C-S/22 Issue No.01 06.03.2017
117	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Water Soluble Calcium	ESIPL-SOP/C-S/13 Issue No.01 05.11.2014
118	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Water Soluble Chloride	ESIPL/SOP/C-S/08 Issue No.01 05.11.2014

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119	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Water Soluble Sodium	ESIPL/SOP/C-S/07 Issue No.01 05.11.2014
120	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Acidity as CaCO3	IS 3025 (Part 22)
121	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Alkalinity as CaCO3	IS 3025 (Part 23)
122	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Ammonia as NH3	IS 3025 (Part 34)
123	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Ammonical Nitrogen NH3N	IS 3025 (Part 34)
124	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Bicarbonate as HCO3	IS 3025 (Part 51)
125	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	BOD at 27oC for 3 days	IS 3025 (Part 44)
126	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Carbonate as CO3	IS 3025 (Part 51)
127	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Chemical Oxygen Demand	IS 3025 (Part 58)
128	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Chloride as Cl-	IS 3025 (Part 32)
129	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Chromium as Cr6+	IS 3025 (Part 52)
130	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Colour	IS 3025 (Part 4)
131	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Dissolved Oxygen O2	IS 3025 (Part 38)
132	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Fixed Solids	IS 3025 (Part 18)
133	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Magnesium as Mg	IS 3025 (Part 46)
134	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Manganese as Mn	IS 3025 (part 59); by formaldoxime method
135	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Nitrate Nitrogen as NO3	IS 3025 (Part 34)
136	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Nitrite Nitrogen NO2N	IS 3025 (Part 34)
137	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Odour	IS 3025 (Part 5)

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138	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Oil and Grease	IS 3025 (Part 39)
139	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Percent Sodium	ESIPL-SOP/C-W/50 Issue No.01 05.11.2014
140	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	pH at 25oC	IS 3025 (Part 11)
141	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Phenols as C6H5OH	IS 3025 (Part 43)
142	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Phosphorous as P	IS 3025 (Part 31)
143	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Potassium as K	IS 3025 (Part 45)
144	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Residual Sodium Carbonate	IS 11624
145	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Settleable matter	IS 3025 (Part 19)
146	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Sodium Absorption Ratio	IS 11624
147	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Sodium as Na	IS 3025 (Part 45)
148	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Specific Conductance 25oC	IS 3025 (Part 14)
149	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Sulphate as SO4	IS 3025 (Part 24)
150	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Sulphide S2-	APHA 23rd Edn. (4500 F2- F)
151	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Sulphites SO3	IS 3025 (Part 28)
152	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Temperature	IS 3025 (Part 9)
153	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Total Chromium as Cr	IS 3025 (Part 52)
154	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Total Dissolved Solids	IS 3025 (Part 16)
155	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Total Hardness as CaCO3	IS 3025 (Part 21)
156	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Total Kjeldahl Nitrogen	Is 3025 (Part 34)

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157	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Total Solids	IS 3025 (Part 15)
158	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Total Suspended Solids	IS 3025 (Part 17)
159	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Turbidity	IS 3025 (Part 10)
160	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Volatile Solids	IS 3025 (Part 18)
161	CHEMICAL- RESIDUES IN WATER	Trace metal elements in Drinking Water	Aluminium as Al	IS 3025 (Part 55);by eriochrome cyanine R method
162	CHEMICAL- RESIDUES IN WATER	Trace metal elements in Drinking Water	Boron as B	APHA 23rd Edn. (Part 4500B-B)
163	CHEMICAL- RESIDUES IN WATER	Trace metal elements in Drinking Water	Calcium as Ca	IS 3025 (Part 40)
164	CHEMICAL- RESIDUES IN WATER	Trace metal elements in Drinking Water	Copper as Cu	IS 3025 (Part 42);by neocuproine method
165	CHEMICAL- RESIDUES IN WATER	Trace metal elements in Drinking Water	Iron as Fe	IS 3025 (Part 53)
166	CHEMICAL- RESIDUES IN WATER	Trace metal elements in Drinking Water	Magnesium as Mg	IS 3025 (Part 46)
167	CHEMICAL- RESIDUES IN WATER	Trace metal elements in Drinking Water	Manganese as Mn	IS 3025 (Part 59);by formaldoxime method
168	CHEMICAL- RESIDUES IN WATER	Trace metal elements in Drinking Water	Nickel as Ni	IS 3025 (Part 54);by dimethylglyoxime method
169	CHEMICAL- RESIDUES IN WATER	Trace metal elements in Drinking Water	Total Chromium as Cr	IS 3025 (Part 52)
170	CHEMICAL- RESIDUES IN WATER	Trace metal elements in Industrial Water	Copper as Cu	IS 3025 (Part 42);by neocuproine method
171	CHEMICAL- RESIDUES IN WATER	Trace metal elements in Industrial Water	Iron as Fe	IS 3025 (Part 53)
172	CHEMICAL- RESIDUES IN WATER	Trace metal elements in Industrial Water	Silica as SiO2	IS 3025 (Part 35)
173	CHEMICAL- RESIDUES IN WATER	Trace metal elements in Industrial Water	Sodium as Na	IS 3025 (Part 45)
174	CHEMICAL- RESIDUES IN WATER	Trace metal elements in reagent grade water	Silica	IS 3025 (Part 35)
175	CHEMICAL- RESIDUES IN WATER	Trace metal elements in Surface Water, Ground Water, Swimming Pool Water and Irrigation Water	Aluminium as Al	IS 3025 (Part 55);by eriochrome cyanine R method

SCOPE OF ACCREDITATION

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176	CHEMICAL- RESIDUES IN WATER	Trace metal elements in Surface Water, Ground Water, Swimming Pool Water and Irrigation Water	Boron as B	APHA 23rd Edn. (Part 4500 B-B)
177	CHEMICAL- RESIDUES IN WATER	Trace metal elements in Surface Water, Ground Water, Swimming Pool Water and Irrigation Water	Calcium as Ca	IS 3025 (Part 40)
178	CHEMICAL- RESIDUES IN WATER	Trace metal elements in Surface Water, Ground Water, Swimming Pool Water and Irrigation Water	Chromium as Cr6+	IS 3025 (Part 52)
179	CHEMICAL- RESIDUES IN WATER	Trace metal elements in Surface Water, Ground Water, Swimming Pool Water and Irrigation Water	Copper as Cu	IS 3025 (Part 42)
180	CHEMICAL- RESIDUES IN WATER	Trace metal elements in Surface Water, Ground Water, Swimming Pool Water and Irrigation Water	Iron as Fe	IS 3025 (Part 53)
181	CHEMICAL- RESIDUES IN WATER	Trace metal elements in Surface Water, Ground Water, Swimming Pool Water and Irrigation Water	Magnesium as Mg	IS 3025 (Part 46)
182	CHEMICAL- RESIDUES IN WATER	Trace metal elements in Surface Water, Ground Water, Swimming Pool Water and Irrigation Water	Manganese as Mn	IS 3025 (Part 59)
183	CHEMICAL- RESIDUES IN WATER	Trace metal elements in Surface Water, Ground Water, Swimming Pool Water and Irrigation Water	Nickel as Ni	IS 3025 (Part 54);by dimethylglyoxime method
184	CHEMICAL- RESIDUES IN WATER	Trace metal elements in Surface Water, Ground Water, Swimming Pool Water and Irrigation Water	Potassium as K	IS 3025 (Part 45)
185	CHEMICAL- RESIDUES IN WATER	Trace metal elements in Surface Water, Ground Water, Swimming Pool Water and Irrigation Water	Silica as SiO2	IS 3025 (Part 35)
186	CHEMICAL- RESIDUES IN WATER	Trace metal elements in Surface Water, Ground Water, Swimming Pool Water and Irrigation Water	Sodium as Na	IS 3025 (Part 45)
187	CHEMICAL- RESIDUES IN WATER	Trace metal elements in Surface Water, Ground Water, Swimming Pool Water and Irrigation Water	Total Chromium as Cr	IS 3025 (Part 52)
188	CHEMICAL- WATER	Construction Water	Chloride as Cl	IS 3025 (Part 32)
189	CHEMICAL- WATER	Construction Water	Inorganic Solids	IS 3025 (Part 18)
190	CHEMICAL- WATER	Construction Water	Organic Solids	IS 3025 (Part 18)
191	CHEMICAL- WATER	Construction Water	pH at 25°C	IS 3025 (Part 11)
192	CHEMICAL- WATER	Construction Water	Sulphate as SO4	IS 3025 (Part 24)
193	CHEMICAL- WATER	Construction Water	Suspended Matter	IS 3025 (Part 17)
194	CHEMICAL- WATER	Construction Water	Water Neutralization a. To neutralize 100 mL of water using Phenolphthalein Indicator (Acidity as CaCO3)	IS 3025 (Part 22)
195	CHEMICAL- WATER	Construction Water	Water Neutralization b. To neutralize 100 mL of water using mixed Indicator (Alkalinity as CaCO3)	IS 3025 (Part 23)

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196	CHEMICAL- WATER	Drinking Water	Ammonia as NH3	IS 3025 (Part 34)
197	CHEMICAL- WATER	Drinking Water	Chloride as Cl	IS 3025 (Part 32)
198	CHEMICAL- WATER	Drinking Water	Colour	IS 3025 (Part 4)
199	CHEMICAL- WATER	Drinking Water	Fluoride as F	APHA 23rd Edn. (4500 F- D)
200	CHEMICAL- WATER	Drinking Water	Nitrate Nitrogen as NO3	APHA 23rd Edn. (Part 4500 NO3- B)
201	CHEMICAL- WATER	Drinking Water	Odour	IS 3025 (Part 5)
202	CHEMICAL- WATER	Drinking Water	pH @ 25°C	IS 3025 (Part 11)
203	CHEMICAL- WATER	Drinking Water	Phenols C6H5OH	IS 3025 (Part 43)
204	CHEMICAL- WATER	Drinking Water	Sulphate as SO42-	IS 3025 (Part 24)
205	CHEMICAL- WATER	Drinking Water	Sulphide as S2-	APHA 23rd Edn. (Part 4500 S2- F)
206	CHEMICAL- WATER	Drinking Water	Taste	IS 3025 (Part 8)
207	CHEMICAL- WATER	Drinking Water	Total Alkalinity as CaCO3	IS 3025 (Part 23)
208	CHEMICAL- WATER	Drinking Water	Total Dissolved Solids	IS 3025 (Part 16)
209	CHEMICAL- WATER	Drinking Water	Total Hardness as CaCO3	IS 3025 (Part 21)
210	CHEMICAL- WATER	Drinking Water	Total Residual Chlorine	IS 3025 (Part 26)
211	CHEMICAL- WATER	Drinking Water	Turbidity	IS 3025 (Part 10)
212	CHEMICAL- WATER	Industrial Water	Ammonia as NH3	IS 3025 (Part 34)
213	CHEMICAL- WATER	Industrial Water	Caustic Alkalinity as CaCO3	IS 3025 (Part 23)
214	CHEMICAL- WATER	Industrial Water	Chloride as NaCl	IS 3025 (Part 32)
215	CHEMICAL- WATER	Industrial Water	Dissolved Oxygen	IS 3025 (Part 38)
216	CHEMICAL- WATER	Industrial Water	Oil and Grease	IS 3025 (Part 39)
217	CHEMICAL- WATER	Industrial Water	Oxygen Consumed in 4 hrs	IS 3025 (Part 51)
218	CHEMICAL- WATER	Industrial Water	pH at 25°C	IS 3025 (Part 11)
219	CHEMICAL- WATER	Industrial Water	Specific Conductance 25°C	IS 3025 (Part 14)
220	CHEMICAL- WATER	Industrial Water	Total Alkalinity as CaCO3	IS 3025 (Part 23)
221	CHEMICAL- WATER	Industrial Water	Total Dissolved Solids	IS 3025 (Part 16)
222	CHEMICAL- WATER	Industrial Water	Total Hardness as CaCO3	IS 3025 (Part 21)
223	CHEMICAL- WATER	Reagent Grade Water	Colour Retention of KMnO4	IS 1070 (Annex A)
224	CHEMICAL- WATER	Reagent Grade Water	pH at 25°C	IS 3025 (Part 11)

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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
225	CHEMICAL- WATER	Reagent Grade Water	Specific Conductance 25°C	IS 3025 (Part 14)
226	CHEMICAL- WATER	Reagent Grade Water	Total Solids/Non Volatile Residue at 105°C	IS 3025 (Part 18)
227	CHEMICAL- WATER	Surface Water	Carbon Dioxide	APHA 23rd Edition (4500-CO2)
228	CHEMICAL- WATER	Surface Water, Ground Water, Swimming Pool Water and Irrigation Water	Acidity as CaCO3	IS 3025 (Part 22)
229	CHEMICAL- WATER	Surface Water, Ground Water, Swimming Pool Water and Irrigation Water	Alkalinity as CaCO3	IS 3025 (Part 23)
230	CHEMICAL- WATER	Surface Water, Ground Water, Swimming Pool Water and Irrigation Water	Ammonical Nitrogen NH3N	IS 3025 (Part 34)
231	CHEMICAL- WATER	Surface Water, Ground Water, Swimming Pool Water and Irrigation Water	Bicarbonate as HCO3	IS 3025 (Part 51)
232	CHEMICAL- WATER	Surface Water, Ground Water, Swimming Pool Water and Irrigation Water	BOD at 27°C for 3 days	IS 3025 (Part 44)
233	CHEMICAL- WATER	Surface Water, Ground Water, Swimming Pool Water and Irrigation Water	Carbonate as CO3	IS 3025 (Part 51)
234	CHEMICAL- WATER	Surface Water, Ground Water, Swimming Pool Water and Irrigation Water	Chemical Oxygen Demand	IS 3025 (Part 58)
235	CHEMICAL- WATER	Surface Water, Ground Water, Swimming Pool Water and Irrigation Water	Chloride as Cl-	IS 3025 (Part 32)
236	CHEMICAL- WATER	Surface Water, Ground Water, Swimming Pool Water and Irrigation Water	Chlorine Residual	IS 3025 (Part 26)
237	CHEMICAL- WATER	Surface Water, Ground Water, Swimming Pool Water and Irrigation Water	Colour	IS 3025 (Part 4)
238	CHEMICAL- WATER	Surface Water, Ground Water, Swimming Pool Water and Irrigation Water	Conductivity at 25°C	IS 3025 (Part 14)
239	CHEMICAL- WATER	Surface Water, Ground Water, Swimming Pool Water and Irrigation Water	Dissolved Oxygen O2	IS 3025 (Part 38)
240	CHEMICAL- WATER	Surface Water, Ground Water, Swimming Pool Water and Irrigation Water	Fixed Solids	IS 3025 (Part 18)
241	CHEMICAL- WATER	Surface Water, Ground Water, Swimming Pool Water and Irrigation Water	Fluoride as F-	APHA 23rd Edn. (Part 4500 F-D)
242	CHEMICAL- WATER	Surface Water, Ground Water, Swimming Pool Water and Irrigation Water	Free Ammonia NH3	IS 3025 (Part 34)
243	CHEMICAL- WATER	Surface Water, Ground Water, Swimming Pool Water and Irrigation Water	Nitrate Nitrogen as NO3	APHA 23rd Edn. (Part 4500 NO3- B)
244	CHEMICAL- WATER	Surface Water, Ground Water, Swimming Pool Water and Irrigation Water	Nitrite Nitrogen NO2N	IS 3025 (Part 34)

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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
245	CHEMICAL- WATER	Surface Water, Ground Water, Swimming Pool Water and Irrigation Water	Odour	IS 3025 (Part 5)
246	CHEMICAL- WATER	Surface Water, Ground Water, Swimming Pool Water and Irrigation Water	Oil and Grease	IS 3025 (Part 39)
247	CHEMICAL- WATER	Surface Water, Ground Water, Swimming Pool Water and Irrigation Water	Percent Sodium	ESIPL-SOP/C-W/50 Issue No. 01 November 05
248	CHEMICAL- WATER	Surface Water, Ground Water, Swimming Pool Water and Irrigation Water	pH at 25°C	IS 3025 (Part 11)
249	CHEMICAL- WATER	Surface Water, Ground Water, Swimming Pool Water and Irrigation Water	Phenols as C6H5OH	IS 3025 (Part 43)
250	CHEMICAL- WATER	Surface Water, Ground Water, Swimming Pool Water and Irrigation Water	Phosphorous as P	IS 3025 (Part 31)
251	CHEMICAL- WATER	Surface Water, Ground Water, Swimming Pool Water and Irrigation Water	Residual Sodium Carbonate (RSC)	IS 11624
252	CHEMICAL- WATER	Surface Water, Ground Water, Swimming Pool Water and Irrigation Water	Sodium Absorption Ratio (SAR)	IS 11624
253	CHEMICAL- WATER	Surface Water, Ground Water, Swimming Pool Water and Irrigation Water	Sulphate as SO4	IS 3025 (Part 24)
254	CHEMICAL- WATER	Surface Water, Ground Water, Swimming Pool Water and Irrigation Water	Sulphide S2-	APHA 23rd Edn. (Part 4500 F2-F)
255	CHEMICAL- WATER	Surface Water, Ground Water, Swimming Pool Water and Irrigation Water	Sulphites SO3	IS 3025 (Part 28)
256	CHEMICAL- WATER	Surface Water, Ground Water, Swimming Pool Water and Irrigation Water	Temperature	IS 3025 (Part 9)
257	CHEMICAL- WATER	Surface Water, Ground Water, Swimming Pool Water and Irrigation Water	Total Dissolved Solids	IS 3025 (Part 16)
258	CHEMICAL- WATER	Surface Water, Ground Water, Swimming Pool Water and Irrigation Water	Total Hardness as CaCO3	IS 3025 (Part 21)
259	CHEMICAL- WATER	Surface Water, Ground Water, Swimming Pool Water and Irrigation Water	Total Kjeldal Nitrogen	IS 3025 (Part 34)
260	CHEMICAL- WATER	Surface Water, Ground Water, Swimming Pool Water and Irrigation Water	Total Solids	IS 3025 (Part 15)
261	CHEMICAL- WATER	Surface Water, Ground Water, Swimming Pool Water and Irrigation Water	Total Suspended Solids	IS 3025 (Part 17)
262	CHEMICAL- WATER	Surface Water, Ground Water, Swimming Pool Water and Irrigation Water	Turbidity	IS 3025 (Part 10)
263	CHEMICAL- WATER	Surface Water, Ground Water, Swimming Pool Water and Irrigation Water	Volatile Solids	IS 3025 (Part 18)

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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.