National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : ECO SOLUTIONS, 12/17 E, TVS NAGAR, THADAGAM ROAD, COIMBATORE, TAMIL NADU, 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	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient air	Ammonia (NH3)	ECO/AAQ/SOP-04 (Issue No 1/01.08.2020) based on CPCB Guidelines for Manual Sampling - May
2	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient air	Carbon Monoxide(CO)	ECO/AAQ/SOP-06 (Issue No 1/05.07.2021)
3	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient air	Oxides of Nitrogen (NO2)	IS 5182 PART 6
4	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Ozone (O3)	IS 5182 PART 9
5	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient air	Particulate Matter (PM 2.5)	ECO/AAQ/SOP-01 (Issue No 1 / 01.08.2020)based on CPCB Guidelines for Manual Sampling - May
6	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient air	Respirable Particulate Matter (PM10 or Less than 10µm)	IS 5182 PART 23
7	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient air	Sulphur Dioxide (SO2)	IS 5182 PART 2
8	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Noise Levels	SPL (Sound Pressure Level)	ECO/NL/SOP - 01 (Issue No 1 / 01.08.2020)
9	CHEMICAL- ATMOSPHERIC POLLUTION	Illumination	Illumination	ECO/LUX/ SOP-01(Issue No 1 / 01.08.2020)
10	CHEMICAL- ATMOSPHERIC POLLUTION	Source Noise Levels	SPL (Sound Pressure Level)	ECO/NL/SOP - 01 (Issue No 1 / 01.08.2020)
11	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Carbon dioxide (CO2)	IS 13270
12	CHEMICAL- ATMOSPHERIC POLLUTION	Stack emission	Carbon monoxide (CO)	IS 13270
13	CHEMICAL- ATMOSPHERIC POLLUTION	Stack emission	Oxides of Nitrogen (NO2)	IS 11255 PART 7
14	CHEMICAL- ATMOSPHERIC POLLUTION	Stack emission	Oxygen	IS 13270
15	CHEMICAL- ATMOSPHERIC POLLUTION	Stack emission	Particulate Matter	IS 11255 PART 1 & IS 11255 PART 3
16	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Sulphur Dioxide (SO2)	IS 11255 PART 2

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17	CHEMICAL- ATMOSPHERIC POLLUTION	Work Environment and Indoor Air Quality	Ammonia (NH3)	ECO/IAQ/SOP-06 (Issue No 1/05.07.2021)based on Methods of Air Sampling and Analysis 3rd edition - 801 James P Lodge
18	CHEMICAL- ATMOSPHERIC POLLUTION	Work Environment and Indoor Air Quality	Carbon Di Oxide	ECO/IAQ/SOP-09 (Issue No 1/05.07.2021)
19	CHEMICAL- ATMOSPHERIC POLLUTION	Work Environment and Indoor Air Quality	Carbon Monoxide	ECO/IAQ/SOP-08 (Issue No 1/05.07.2021) based on NIOSH 6604 ISSUE NO 2 DATE 16 MARCH
20	CHEMICAL- ATMOSPHERIC POLLUTION	Work Environment and Indoor Air Quality	Oxides of Nitrogen	ECO/IAQ/SOP-05 (Issue No 1/05.07.2021)based NIOSH manual
21	CHEMICAL- ATMOSPHERIC POLLUTION	Work Environment and Indoor Air Quality	Oxygen	ECO/IAQ/SOP-10 (Issue No 1/05.07.2021
22	CHEMICAL- ATMOSPHERIC POLLUTION	Work Environment and Indoor Air Quality	Ozone	ECO/IAQ/SOP-07 (Issue No 1/05.07.2021)based on Methods of Air Sampling and Analysis 3rd edition - 819 James P Lodge
23	CHEMICAL- ATMOSPHERIC POLLUTION	Work Environment and Indoor Air Quality	Particulate Matter (PM)	ECO/IAQ/SOP-03 (Issue No 1/05.07.2021)
24	CHEMICAL- ATMOSPHERIC POLLUTION	Work Environment and Indoor Air Quality	Relative Humidity	ECO/IAQ/SOP-01 (Issue No 1 / 01.08.2020)
25	CHEMICAL- ATMOSPHERIC POLLUTION	Work Environment and Indoor Air Quality	Respirable Particulate Matter (PM10 or Less than 10µm)	IS 5182 PART 23
26	CHEMICAL- ATMOSPHERIC POLLUTION	Work Environment and Indoor Air Quality	Sulphur Dioxide	ECO/IAQ/SOP-04 (Issue No 1 / 05.07.2021) based on PCB Guidelines for Manual Sampling - May
27	CHEMICAL- ATMOSPHERIC POLLUTION	Work Environment and Indoor Air Quality	Temperature	ECO/IAQ/SOP-01 (Issue No 1 / 01.08.2020)
28	CHEMICAL- ATMOSPHERIC POLLUTION	Work Environment and Indoor Air Qualiy	Particulate Matter (PM 2.5)	ECO/IAQ/SOP-02 (Issue No 1 / 01.08.2020)based in CPCB Guidelines for Manual Sampling - May
29	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Soluble Calcium as Ca	Methods of Analysis for Soils Arid and Semi Arid Regions, Food and Agriculture Organizations, United Nations, Rome

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30	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Available Phosphorus as P	Methods of Analysis for Soils Arid and Semi Arid Regions, Food and Agriculture Organizations, United Nations, Rome
31	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Bicarbonate as HCO3	Methods of Analysis for Soils Arid and Semi Arid Regions, Food and Agriculture Organizations, United Nations, Rome
32	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Calcium Carbonate as CaCO3	IS 2720 PART 23
33	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Carbonates as CO3	Methods of Analysis for Soils Arid and Semi Arid Regions, Food and Agriculture Organizations, United Nations, Rome,
34	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Chloride as Cl	Methods of Analysis for Soils Arid and Semi Arid Regions, Food and Agriculture Organizations, United Nations, Rome,
35	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Organic Matter	IS 2720 PART 22
36	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	pH @ 25 degree C	IS 2720 PART 26
37	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Soluble Magnesium as Mg	Methods of Analysis for Soils Arid and Semi Arid Regions, Food and Agriculture Organizations, United Nations, Rome,
38	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Specific Electrical Conductivity	IS 14767
39	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Total Nitrogen	IS 14684
40	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Total Soluble Solid	IS 2720 PART 21
41	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Total Soluble Sulphate as Na2SO4	Methods of Analysis for Soils Arid and Semi Arid Regions, Food and Agriculture Organizations, United Nations, Rome

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42	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Water Content	IS 2720 PART 2
43	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Aluminium as A	IS 3025 PART 55 (Eriochrome Cyanide R method)
44	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Ammoniacal Nitrogen	IS 3025 PART 34
45	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Bio Chemical Oxygen Demand	IS 3025 PART 44
46	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Boron as B	IS 3025 PART 57 (Curcumin Method)
47	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Calcium as Ca	IS 3025 PART 40 (EDTA Titrimetric Method)
48	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Calcium Hardness as CaCO3	IS 3025 PART 40 (EDTA Titrimetric Method)
49	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Chemical Oxygen Demand	IS 3025 PART 58 - 2006
50	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Chlorides as Cl	IS 3025 PART 32 Clause No.2
51	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Colour	IS 3025 PART 04
52	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Copper as Cu	IS 3025 PART 42 (Neocuproine Method)
53	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Dissolved Oxygen (DO)	IS 3025 PART 38 (Winkler Method)
54	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Dissolved Phosphorus as PO4	IS 3025 PART 31(Stannous Chloride Method)
55	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Electrical Conductivity	IS 3025 PART 14
56	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Fixed Solids	IS 3025 PART 18
57	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Fluoride as F	APHA 23rd Edn., 45
58	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Free Residual Chlorine as Cl2	IS 3025 PART 26
59	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Hexavalent chromium as Cr6+	IS 3025 PART 52 (Diphenylcarbazide Method)
60	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Magnesium Hardness as CaCO3	APHA 23rd Edn., 3500 (Mg) B (By Calculation)

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61	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Magnesium Hardness as Mg	APHA 23rd Edn., 3500 (Mg) B (By Calculation), IS 3025 PART 21, IS 3025 PART 40
62	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Manganese as Mn	APHA 23rd Edn., 3500 (Mn) B (Persulphate Method)
63	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Nickel as Ni	IS 3025 PART 54 (Dimethylglyoxime Method)
64	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Nitrate Nitrogen as NO3 -N	IS 3025 PART 34 (Devarda's Alloy method)
65	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Nitrite Nitrogen as NO2 - N	IS 3025 PART 34- 1988 (NEDA Method)
66	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Odour	IS 3025 (PART 05)
67	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	pH Value at 25 degree C	IS 3025 PART 11
68	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Phenol as C6H5OH	IS 3025 PART 43 (4-Aminoantipyrine without Chloroform Extraction Method)
69	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Phenolphthalein Alkalinity as CaCO3	IS 3025 PART 23
70	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Reactive Silica as SiO2	IS 3025 PART 35 (Heteropoly Blue Method)
71	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Soluble Iron as Fe	IS 3025 PART 53 (1,10 Phenanthroline Method)
72	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Sulphates (as SO4)	IS 3025 (PART 24) - 1986 Clasue No. 2
73	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Sulphide as S	APHA 23rd Edn., 4500 (S2-) F (Iodometric Method)
74	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Sulphite as SO3	APHA 23rd Edn., 4500 (SO32-) B (Iodometric Method)
75	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Temperature	IS 3025 PART 9
76	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Total Acidity as CaCO3	IS 3025 Part 22 (Indicator Method)
77	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Total Alkalinity	IS 3025 PART 23 (Indicator Method)
78	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Total chromium as Cr	IS 3025 PART 52 (Diphenylcarbazide Method)

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79	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Total Dissolved Solids	IS 3025 PART 16
80	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Total Hardness as CaCO3	IS 3025 PART 21 (EDTA Titrimetric Method)
81	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Total Iron as Fe	IS 3025 PART 53 (1,10 Phenanthroline Method)
82	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Total Kjeldahl Nitrogen (TKN)	IS 3025 PART 34 (Macro Kjeldhal Method)
83	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Total Phosphorus as P	IS 3025 PART 31 (Stannous Chloride Method)
84	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Total Residual Chlorine	IS 3025 PART 38
85	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Total Solids	IS 3025 PART 15
86	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Total Suspended Solids	IS 3025 PART 17
87	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Turbidity	IS 3025 PART 10
88	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Volatile Solids	IS 3025 PART 18
89	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water(Effluents/Sewage)	Total Phosphorus as P	IS 3025 PART 31
90	CHEMICAL- POLLUTION & ENVIRONMENT	Waster Water (Effluents/Sewage)	Oil & Grease	IS 3025 (PART 39)
91	CHEMICAL- WATER	Construction Water	Chlorides	IS 3025 PART 32 Clause No.2
92	CHEMICAL- WATER	Construction Water	Fixed Residue (Inorganic)	IS 3025 PART 18
93	CHEMICAL- WATER	Construction Water	pH Value at 25 degree C	IS 3025 PART 11 Clause No. 2
94	CHEMICAL- WATER	Construction Water	Sulphates (as SO4)	IS 3025 PART 24 Clause No. 2
95	CHEMICAL- WATER	Construction Water	Total Suspended Solids	IS 3025 PART 17
96	CHEMICAL- WATER	Construction Water	Volatile Residue (Organic)	IS 3025 PART 18
97	CHEMICAL- WATER	Drinking Water	Ammonia as total ammonia N	IS 3025 PART 34
98	CHEMICAL- WATER	Drinking Water	Boron as B	IS 3025 PART 57 (Curcumin Method)
99	CHEMICAL- WATER	Drinking Water	Calcium as Ca	IS 3025 PART 40
100	CHEMICAL- WATER	Drinking Water	Chlorides (as Cl-)	IS 3025 PART 32

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101	CHEMICAL- WATER	Drinking Water	Colour	APHA 23rd Edn., 2120 C, IS 3025 PART 04
102	CHEMICAL- WATER	Drinking Water	Electrical Conductivity	IS 3025 PART 14
103	CHEMICAL- WATER	Drinking Water	Fluoride as F	APHA 23rd Edn., 4500 (F-) D (SPADNS Method)
104	CHEMICAL- WATER	Drinking Water	Free Residual Chlorine	IS 3025 (PART 26)
105	CHEMICAL- WATER	Drinking Water	Magnesium as Mg	APHA 23rd Edn., 3500 (Mg) B (By Calculation), IS 3025 PART 21 & IS 3025 PART 40
106	CHEMICAL- WATER	Drinking Water	Nitrate Nitrogen as NO3 -N	APHA 23rd Edn., 4500 NO3- B (Screening Method)
107	CHEMICAL- WATER	Drinking Water	Nitrite Nitrogen as NO2-N	IS 3025 PART 34 (NEDA Method)
108	CHEMICAL- WATER	Drinking Water	Odour	IS 3025 (PART 05)
109	CHEMICAL- WATER	Drinking Water	pH Value at 25 degree C	IS 3025 PART 11
110	CHEMICAL- WATER	Drinking Water	Sulphates (as SO4)	IS 3025 PART 24
111	CHEMICAL- WATER	Drinking Water	Sulphide as S	APHA 23rd Edn., 4500 (S2-) F (Iodometric Method)
112	CHEMICAL- WATER	Drinking Water	Total Alkalinity as CaCO3	IS 3025 PART 23
113	CHEMICAL- WATER	Drinking Water	Total Dissolved Solids	IS 3025 PART 16
114	CHEMICAL- WATER	Drinking Water	Total Hardness (as CaCO3)	IS 3025 PART 21
115	CHEMICAL- WATER	Drinking Water	Total Suspended Solids	IS 3025 PART 17
116	CHEMICAL- WATER	Drinking Water	Turbidity	IS 3025 PART 10
117	CHEMICAL- WATER	Ground Water	Ammoniacal Nitrogen	IS 3025 PART 34
118	CHEMICAL- WATER	Ground Water	Chlorides (as Cl-)	IS 3025 PART 32
119	CHEMICAL- WATER	Ground Water	Colour	APHA 23rd Edn., 2120 C, IS 3025 PART 04
120	CHEMICAL- WATER	Ground Water	Electrical Conductivity	IS 3025 PART 14
121	CHEMICAL- WATER	Ground Water	Fixed Solids	IS 3025 PART 18
122	CHEMICAL- WATER	Ground Water	Odour	IS 3025 PART 05
123	CHEMICAL- WATER	Ground Water	Oil & Grease	IS 3025 PART 39
124	CHEMICAL- WATER	Ground Water	pH Value at 25 degree C	IS 3025 PART 11
125	CHEMICAL- WATER	Ground Water	Phenolphthalein Alkalinity as CaCO3	IS 3025 PART 23

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126	CHEMICAL- WATER	Ground Water	Sulphates (as SO4)	IS 3025 PART 24
127	CHEMICAL- WATER	Ground Water	Temperature	IS 3025 PART 9
128	CHEMICAL- WATER	Ground Water	Total Alkalinity as CaCO3	IS 3025 PART 23
129	CHEMICAL- WATER	Ground Water	Total Dissolved Solids	IS 3025 PART 16
130	CHEMICAL- WATER	Ground Water	Total Hardness (as CaCO3)	IS 3025 PART 21
131	CHEMICAL- WATER	Ground Water	Total Solids	IS 3025 PART 15
132	CHEMICAL- WATER	Ground Water	Total Suspended Solids	IS 3025 PART 17
133	CHEMICAL- WATER	Ground Water	Turbidity	IS 3025 PART 10
134	CHEMICAL- WATER	Ground Water	Volatile Solids	IS 3025 PART 18
135	CHEMICAL- WATER	Industrial Water	Chlorides (as Cl-)	IS 3025 PART 32 Clause No.2
136	CHEMICAL- WATER	Industrial Water	Colour	APHA 23rd Edn., 2120 C, IS 3025 PART 04
137	CHEMICAL- WATER	Industrial Water	Odour	IS 3025 (PART 05)
138	CHEMICAL- WATER	Industrial Water	pH Value at 25 degree C	IS 3025 PART 11 Clause No. 2
139	CHEMICAL- WATER	Industrial Water	Sulphates (as SO4)	IS 3025 PART 24 Clause No. 4
140	CHEMICAL- WATER	Industrial Water	Total Hardness (as CaCO3)	IS 3025 PART 21 Clause No 5
141	CHEMICAL- WATER	Industrial Water	Total Solids	IS 3025 PART 15
142	CHEMICAL- WATER	Industrial Water	Turbidity	IS 3025 PART 10
143	CHEMICAL- WATER	Irrigation Water	pH Value at 25 degree C	IS 3025 PART 11
144	CHEMICAL- WATER	Irrigation Water	Specific Conductance	IS 3025 (PART 14)
145	CHEMICAL- WATER	Packaged Drinking Water	Alkalinity	IS 3025 PART 23
146	CHEMICAL- WATER	Packaged Drinking Water	Chlorides (as Cl-)	IS 3025 PART 32 Clause No.2
147	CHEMICAL- WATER	Packaged Drinking Water	Colour	APHA 23rd Edn., 2120 C, IS 3025 PART 04
148	CHEMICAL- WATER	Packaged Drinking Water	Odour	IS 3025 (PART 05)
149	CHEMICAL- WATER	Packaged Drinking Water	pH Value @25 degree C	IS 3025 PART 11 Clause No. 2
150	CHEMICAL- WATER	Packaged Drinking Water	Residual Free Chlorine	IS 3025 (PART 26)
151	CHEMICAL- WATER	Packaged Drinking Water	Sulphates (as SO4)	IS 3025 PART 24 Clause No. 4
152	CHEMICAL- WATER	Packaged Drinking Water	Total Dissolved Solids	IS 3025 PART 16
153	CHEMICAL- WATER	Packaged Drinking Water	Turbidity	IS 3025 PART 10
154	CHEMICAL- WATER	Reagent Grade Water	Colour retention of KMnO4 at 27C	IS 3025 PART 04

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155	CHEMICAL- WATER	Reagent Grade Water	pH @ 25 degree C	IS 2720 PART 26
156	CHEMICAL- WATER	Reagent Grade Water	Reactive Silica as SiO2	IS 3025 PART 35 (Hetropoly Blue Method)
157	CHEMICAL- WATER	Reagent Grade Water	Specific Conductance	IS 3025 (PART 14)
158	CHEMICAL- WATER	Reagent Grade Water	Total Solids	IS 3025 PART 15
159	CHEMICAL- WATER	Surface Water	Ammoniacal Nitrogen	IS 3025 PART 34
160	CHEMICAL- WATER	Surface Water	Bio Chemical Oxygen Demand	IS 3025 PART 44
161	CHEMICAL- WATER	Surface Water	Chemical Oxygen Demand	IS 3025 PART 58
162	CHEMICAL- WATER	Surface Water	Chlorides (as Cl-)	IS 3025 PART 32
163	CHEMICAL- WATER	Surface Water	Colour	APHA 23rd Edn., 2120 C, IS 3025 PART 04
164	CHEMICAL- WATER	Surface Water	Electrical Conductivity	IS 3025 PART 14
165	CHEMICAL- WATER	Surface Water	Fixed Solids	IS 3025 PART 18
166	CHEMICAL- WATER	Surface Water	Odour	IS 3025 (PART 05)
167	CHEMICAL- WATER	Surface Water	Oil & Grease	IS 3025 (PART 39)
168	CHEMICAL- WATER	Surface Water	pH Value at 25 C	IS 3025 PART 11
169	CHEMICAL- WATER	Surface Water	Phenolphthalein Alkalinity as CaCO3	IS 3025 PART 23
170	CHEMICAL- WATER	Surface Water	Sulphates (as SO4)	IS 3025 PART 24
171	CHEMICAL- WATER	Surface Water	Temperature	IS 3025 PART 9
172	CHEMICAL- WATER	Surface Water	Total Acidity as CaCO3	IS 3025 PART 22
173	CHEMICAL- WATER	Surface Water	Total Alkalinity as CaCO3	IS 3025 PART 23
174	CHEMICAL- WATER	Surface Water	Total Dissolved Solids	IS 3025 PART 16
175	CHEMICAL- WATER	Surface Water	Total Hardness (as CaCO3)	IS 3025 PART 21
176	CHEMICAL- WATER	Surface Water	Total Solids	IS 3025 PART 15
177	CHEMICAL- WATER	Surface Water	Total Suspended Solids	IS 3025 PART 17
178	CHEMICAL- WATER	Surface Water	Turbidity	IS 3025 PART 10
179	CHEMICAL- WATER	Surface Water	Volatile Solids	IS 3025 PART 18
180	CHEMICAL- WATER	Surface Water / Ground Water	Acidity	IS 3025 PART 22 (INDICATOR METHOD)
181	CHEMICAL- WATER	Surface Water / Ground Water	Aluminium as Al	IS 3025 PART 55 (Eriochrome Cyanide R method)

SCOPE OF ACCREDITATION

Laboratory Name : ECO SOLUTIONS, 12/17 E, TVS NAGAR, THADAGAM ROAD, COIMBATORE, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

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Validity 18/10/2021 to 17/10/2023 **Last Amended on** -

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
182	CHEMICAL- WATER	Surface Water / Ground Water	Boron as B	IS 3025 PART 57 (Curcumin Method)
183	CHEMICAL- WATER	Surface Water / Ground Water	Calcium as Ca	IS 3025 PART 40 (EDTA Titrimetric Method)
184	CHEMICAL- WATER	Surface Water / Ground Water	Calcium Hardness as CaCO3	IS 3025 PART 40 (EDTA Titrimetric Method)
185	CHEMICAL- WATER	Surface Water / Ground Water	Copper as Cu	IS 3025 PART 42 (Neocuproine Method)
186	CHEMICAL- WATER	Surface Water / Ground Water	Dissolved Oxygen (DO)	IS 3025 PART 38 (Winkler Method)
187	CHEMICAL- WATER	Surface Water / Ground Water	Dissolved Phosphorus as PO4	IS 3025 PART 31 (Stannous Chloride Method)
188	CHEMICAL- WATER	Surface Water / Ground Water	Fluoride as F	APHA 23rd Edn., 4500 (F-) D (SPADNS Method)
189	CHEMICAL- WATER	Surface Water / Ground Water	Hexavalent chromium as Cr6+	IS 3025 PART 52 (Diphenylcarbazide Method)
190	CHEMICAL- WATER	Surface Water / Ground Water	Magnesium as Mg	APHA 23rd Edn., 3500 (Mg) B (By Calculation), IS 3025 PART 21 & IS 3025 PART 40
191	CHEMICAL- WATER	Surface Water / Ground Water	Magnesium Hardness as CaCO3	APHA 23rd Edn., 3500 (Mg) B (By Calculation), IS 3025 PART 21 & IS 3025 PART 40
192	CHEMICAL- WATER	Surface Water / Ground Water	Manganese as Mn	APHA 23rd Edn., 3500 (Mn) B (Persulphate Method)
193	CHEMICAL- WATER	Surface Water / Ground Water	Nickel as Ni	IS 3025 PART 54 (Dimethylglyoxime Method)
194	CHEMICAL- WATER	Surface Water / Ground Water	Nitrate Nitrogen as NO3 -N	APHA 23rd Edn., 4500 NO3- B
195	CHEMICAL- WATER	Surface Water / Ground Water	Nitrite Nitrogen as NO2 - N	IS 3025 PART 34- 1988 (NEDA Method)
196	CHEMICAL- WATER	Surface Water / Ground Water	Reactive Silica as SiO2	IS 3025 PART 35 (Hetropoly Blue Method)
197	CHEMICAL- WATER	Surface Water / Ground Water	Soluble Iron as Fe	IS 3025 PART 53 (1,10 Phenanthroline Method)
198	CHEMICAL- WATER	Surface Water / Ground Water	Sulphide S	APHA 23rd Edn., 4500 S2-F (Iodometric Method)
199	CHEMICAL- WATER	Surface Water / Ground Water	Sulphite as SO3	APHA 23rd Edn., 4500 (SO32-) B (Iodometric Method)

National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

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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
200	CHEMICAL- WATER	Surface Water / Ground Water	Total chromium (Cr)	IS 3025 PART 52 (Diphenylcarbazide Method)
201	CHEMICAL- WATER	Surface Water / Ground Water	Total Iron as Fe	IS 3025 PART 53 (1,10 Phenanthroline Method)
202	CHEMICAL- WATER	Surface Water / Ground Water	Total Kjeldahl Nitrogen (TKN)	IS 3025 PART 34- 1988 (Macro Kjeldhal Method)
203	CHEMICAL- WATER	Surface Water / Ground Water	Total Phosphorus as P	IS 3025 PART 31 (Stannous Chloride Method)
204	CHEMICAL- WATER	Swimming Pool Water	Chlorides (as Cl-)	IS 3025 PART 32 Clause No.2
205	CHEMICAL- WATER	Swimming Pool Water	Colour	APHA 23rd Edn., 2120 C, IS 3025 PART 04
206	CHEMICAL- WATER	Swimming Pool Water	Odour	IS 3025 (PART 05)
207	CHEMICAL- WATER	Swimming Pool Water	pH Value @ 25 degree C	IS 3025 PART 11 Clause No. 2
208	CHEMICAL- WATER	Swimming Pool Water	Total Alkalinity (as CaCO3)	IS 3025 PART 23
209	CHEMICAL- WATER	Swimming Pool Water	Total Dissolved Solids	IS 3025 PART 16
210	CHEMICAL- WATER	Swimming Pool Water	Total Residual Chlorine	IS 3025 (PART 26)
211	CHEMICAL- WATER	Swimming Pool Water	Turbidity	IS 3025 PART 10
212	CHEMICAL- WATER	Water for construction purpose	To neutralize 100ml of sample water using Mixed indicator using 0.02 N H2SO4	IS 3025 PART 23
213	CHEMICAL- WATER	Water for construction purpose	To neutralize 100ml of sample water using phenolphthalein as an indicator using 0.02N NaOH	IS 3025 PART 22
214	CHEMICAL- WATER	Water from Purifiers	Colour	APHA 23rd Edn., 2120 C, IS 3025 PART 04
215	CHEMICAL- WATER	Water from Purifiers	Odour	IS 3025 (PART 05)
216	CHEMICAL- WATER	Water from Purifiers	pH Value at 25 degree C	IS 3025 PART 11 Clause No. 2
217	CHEMICAL- WATER	Water from Purifiers	Total Dissolved Solids	IS 3025 PART 16
218	CHEMICAL- WATER	Water from Purifiers	Total Hardness (as CaCO3)	IS 3025 PART 21
219	CHEMICAL- WATER	Water from Purifiers	Total Solids	IS 3025 PART 15

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.