National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : ECOSPHERE SOLUTIONS, D-004,SWAGAT FLAMINGO, SARGASAN CROSS ROAD, SARGASAN, GANDHINAGAR, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

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Validity 10/01/2023 to 09/01/2025 **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
Permanent Facility				
1	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Nitrogen Dioxide as NO2	IS: 5182 (Part-6)
2	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Particulate Matter (size less than 10 µm) as PM 10	IS 5182 (Part-23)
3	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Particulate Matter (size less than 2.5 µm) as PM2.5	IS 5182: (Part- 24)
4	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Sulphur Dioxide as SO2	IS 5182 (Part-2)
5	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Noise	Ambient Noise	IS 9989:1981
6	CHEMICAL- ATMOSPHERIC POLLUTION	Source Noise	Source Noise Levels	IS 9989:
7	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Oxides of Nitrogen as NOx	IS 11255 (Part – 7)
8	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Particulate Matter as PM	IS 11255 (Part – 1)
9	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Sulphur Dioxide as SO2	IS 11255 (Part – 2)
10	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water/(Effluent/Sewage)	Oil & Grease	APHA, 23rd Edition /5520 B
11	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water/(Effluent/Sewage)	Phosphate	APHA, 23rd Edition /4500-P
12	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water/(Effluent/Sewage)	Total dissolved solids	APHA, 23rd Edition / 2540-C
13	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water/(Effluent/Sewage)	Total Suspended solids	APHA, 23rd Edition / 2540-D
14	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediment	Available (Exchhangeable) sodium	ES/SOP-S/Na/16
15	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediment	Available (Exchangeable) Magnesium	ES/SOP-S/Ca&Mg/17
16	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediment	Available (Exchangeable) Potassium	ES/SOP-S/K/15
17	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/sediment	Available Nitrogen	IS 14684
18	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediment	Avilable (Exchangeable) Calcium	ES/SOP-S/Ca&Mg/17

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19	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediment	Chlorides	ES/SOP-S/Cl/14
20	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediment	Electrical Conductivity	IS 2720 (Part 22)
21	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediment	Organic carbon	IS 2720 (Part 22)
22	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediment	Organic Matter	IS 2720(Part 22)
23	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediment	pH	IS 2720 (part 26)
24	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediment	Water Content/ Moisture	IS 2720 (Part 2)
25	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/ Sewage)	Volatile Solids	APHA 23 rd Edition / 2540 F
26	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/ sewage)	Settleable Solids	APHA 23rd Edition / 2540 F
27	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/Sewage)	Calcium	APHA 23rd Edition /3500 Ca-B
28	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/Sewage)	Calcium Hardness	APHA 23rd Edition /3500 Ca-B
29	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/Sewage)	Magnesium	APHA 23rd Edition /3500 Mg-B
30	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/Sewage)	Magnesium hardness	APHA 23rd Edition /3500 Mg-B
31	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/Sewage)	Total Hardness	APHA 23rd Edition /2340 C
32	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Acidity as CaCO3	IS 3025: Part 22
33	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Boron	IS 3025(Part 57)
34	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Iron	IS 3025 (Part 53)
35	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Nitrates as No3	IS 3025 (Part 34): sec 3
36	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Total alkalinity as CaCO3	IS 3025: Part 23
37	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Total kjendal Nitrogen	APHA 23rd Edition /4500-N-B

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38	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Turbiditty	APHA 23rd Edition / 2130 B
39	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water(effluent/ sewage)	Fixed Solids	APHA 23rd edition /2540 E
40	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water/(Effluent/Sewage	Electrical Conductivity	APHA, 23rd Edition /2510-B
41	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water/(Effluent/Sewage	Total solids	APHA, 23rd Edition / 2540-B
42	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water/(Effluent/Sewage)	Ammonical Nitrogen as NH3-N	APHA, 23rd Edition /4500-NH3-B, C
43	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water/(Effluent/Sewage)	Bio Chemical Oxygen Demand @ 27 0C for 3 Days	IS 3025 (Part 44)
44	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water/(Effluent/Sewage)	Chemical Oxygen Demand	IS 3025 (Part 58)
45	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water/(Effluent/Sewage)	Chloride as Cl	APHA, 23rd Edition / 4500 Cl- B
46	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water/(Effluent/Sewage)	Dissolved Oxygen (DO)	APHA, 23rd Edition /4500-B
47	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water/(Effluent/Sewage)	Fluoride as F-	APHA, 23rd Edition /4500-F - D
48	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water/(Effluent/Sewage)	Hexa valent Chromium as Cr+6	APHA, 23rd Edition /3500 Cr B
49	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water/(Effluent/Sewage)	Nitrite	APHA, 23rd Edition /4500-NO2-B
50	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water/(Effluent/Sewage)	pH	APHA, 23rd Edition /4500-H+ B
51	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water/(Effluent/Sewage)	Potassium as K	APHA, 23rd Edition /3500-K B
52	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water/(Effluent/Sewage)	Sodium as Na	APHA, 23rd Edition /3500-Na -B
53	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water/(Effluent/Sewage)	Sulphate as SO4	APHA, 23rd Edition /4500-SO42-
54	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water/(Effluent/Sewage)	Temperature	APHA, 23rd Edition /2550B
55	CHEMICAL- WATER	Drinking Water	Acidity as CaCO3	IS 3025(Part 22)
56	CHEMICAL- WATER	Drinking Water	Ammonical Nitrogen as NH3- N	APHA 23rd Edition / 4500-NH3-B,C

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57	CHEMICAL- WATER	Drinking Water	Bio Chemical Oxygen Demand @ 27°C for 3 days	IS 3025 (Part44)
58	CHEMICAL- WATER	Drinking Water	Boron as B	IS 3025(Part57)
59	CHEMICAL- WATER	Drinking Water	Calcium	APHA 23rd Edition /3500-Ca-B
60	CHEMICAL- WATER	Drinking Water	Calcium Hardness	APHA 23rd Edition /3500-Ca- B
61	CHEMICAL- WATER	Drinking Water	Chemical Oxygen demand	IS 3025(Part 58)
62	CHEMICAL- WATER	Drinking Water	Chloride	APHA 23rd edition /4500 Cl- B
63	CHEMICAL- WATER	Drinking Water	Dissolved Oxygen (DO)	APHA 23rd Edition / 4500 B
64	CHEMICAL- WATER	Drinking Water	Electrical Conductivity	APHA 23rd Edition / 2510 B
65	CHEMICAL- WATER	Drinking Water	Fluoride as F-	APHA 23rd Edition / 4500 F- D
66	CHEMICAL- WATER	Drinking Water	Hexavalent Chromium as Cr+6	APHA 23rd Edition / 3500 Cr B
67	CHEMICAL- WATER	Drinking Water	Iron as Fe	IS 3025 (Part 53)
68	CHEMICAL- WATER	Drinking Water	Magnesium	APHA 23rd Edition /3500-Mg-B
69	CHEMICAL- WATER	Drinking Water	Magnesium Hardness	APHA 23rd Edition /3500-Mg- B
70	CHEMICAL- WATER	Drinking Water	Nitrates as NO3	IS 3025 (Part 34): Sec 3
71	CHEMICAL- WATER	Drinking Water	Nitrite	APHA 23rd Edition / 4500-NO2-B
72	CHEMICAL- WATER	Drinking Water	Oil & Grease	APHA 23rd Edition /5520 B
73	CHEMICAL- WATER	Drinking Water	pH	APHA 23rd Edition /4500 B
74	CHEMICAL- WATER	Drinking Water	Phosphate	APHA 23rd Edition / 4500 P
75	CHEMICAL- WATER	Drinking Water	Potassium as K	APHA 23rd Edition / 3500-K-B
76	CHEMICAL- WATER	Drinking Water	Sodium as Na	APHA 23rd Edition /3500-Na-B
77	CHEMICAL- WATER	Drinking Water	Sulphate as SO4	APHA 23rd Edition / 4500SO42-E
78	CHEMICAL- WATER	Drinking Water	Temperature	APHA 23rd Edition /2550 B
79	CHEMICAL- WATER	Drinking Water	Total Alkalinity as CaCO3	IS 3025 (Part 23)
80	CHEMICAL- WATER	Drinking Water	Total Dissolved Solids	APHA 23rd Edition /2540 -C
81	CHEMICAL- WATER	Drinking Water	Total Hardness	APHA 23rd Edition / 2340- C
82	CHEMICAL- WATER	Drinking Water	Total kjendal Nitrogen	APHA 23rd Edition / 4500-N-B
83	CHEMICAL- WATER	Drinking Water	Total Solids	APHA 23rd Edition /2540-B
84	CHEMICAL- WATER	Drinking Water	Total Suspended Solids	APHA 23rd Edition /2540-D
85	CHEMICAL- WATER	Drinking Water	Turbidity	APHA 23rd Edition /2130-B

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86	CHEMICAL- WATER	ground Water	Acidity as CaCO3	IS 3025 (Part 22)
87	CHEMICAL- WATER	Ground water	Ammonical Nitrogen as NH3-N	APHA 23rd Edition /4500 NH3 B, C
88	CHEMICAL- WATER	Ground water	Bio Chemical Oxygen Demand @ 27°C for 3Days	IS 3025 (Part 44)
89	CHEMICAL- WATER	Ground Water	Boron	IS 3025(Part 57)
90	CHEMICAL- WATER	Ground Water	Calcium	APHA 23rd Edition/3500 Ca B
91	CHEMICAL- WATER	Ground Water	Calcium Hardness	APHA 23rd Edition /3500 Ca B
92	CHEMICAL- WATER	Ground water	Chemical Oxygen Demand	IS 3025 (Part 58)
93	CHEMICAL- WATER	Ground Water	Chloride	APHA 23rd Edition /4500 cl- B
94	CHEMICAL- WATER	Ground Water	Dissolved Oxygen (DO)	APHA 23rd Edition /4500 B
95	CHEMICAL- WATER	Ground Water	Electrical Conductivity	APHA 23rd Edition /2510 B
96	CHEMICAL- WATER	Ground Water	Fluoride as F-	APHA 23rd Edition /4500 F- D
97	CHEMICAL- WATER	Ground Water	Hexavalent Chromium as Cr+6	APHA 23rd Edition /3500 Cr B
98	CHEMICAL- WATER	Ground Water	Iron as Fe	IS 3025 (Part 53)
99	CHEMICAL- WATER	Ground water	Magnesium	APHA 23rd Edition /3500 Mg B
100	CHEMICAL- WATER	Ground Water	Magnesium Hardness	APHA 23rd Edition /3500 mg B
101	CHEMICAL- WATER	ground water	Nitrate as NO3	IS 3025 (part 34): sec 3
102	CHEMICAL- WATER	Ground Water	Nitrite	APHA 23rd Edition /4500 NO2 B
103	CHEMICAL- WATER	Ground Water	oil & grease	APHA 23rd Edition /5520 B
104	CHEMICAL- WATER	Ground Water	pH	APHA 23rd Edition / 4500-H+ B
105	CHEMICAL- WATER	Ground Water	Phosphate	APHA 23rd Edition / 4500 P
106	CHEMICAL- WATER	Ground Water	Potassium as K	APHA 23rd Edition /4500 B
107	CHEMICAL- WATER	Ground Water	Sodium as Na	APHA 23rd Edition /3500 Na B
108	CHEMICAL- WATER	Ground Water	Sulphate as SO4	APHA 23rd Edition /4500 SO4 -2 E
109	CHEMICAL- WATER	Ground Water	Temperature	APHA 23rd Edition / 2550 B
110	CHEMICAL- WATER	Ground water	Total alkalinity as CaCO3	IS 3025 (Part 23)
111	CHEMICAL- WATER	Ground Water	Total Dissolved Solids	APHA 23rd Edition /2540 C
112	CHEMICAL- WATER	Ground Water	Total Hardness	APHA 23rd Edition /2340 C
113	CHEMICAL- WATER	Ground water	Total kjendal nitrogen	APHA 23rd Edition /4500-N B
114	CHEMICAL- WATER	Ground Water	Total Solids	APHA 23rd Edition / 2540 B

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115	CHEMICAL- WATER	Ground Water	Total suspended Solids	APHA 23rd Edition /2540 D
116	CHEMICAL- WATER	Ground Water	Turbidity	APHA 23rd Edition /2130 B
117	CHEMICAL- WATER	Surface Water	Acidity as CaCO3	IS 3025 (Part 22)
118	CHEMICAL- WATER	Surface water	Ammonical nitrogen as NH3-N	APHA 23rd Edition /4500-NH3-N B,C
119	CHEMICAL- WATER	Surface Water	Bio Chemical Oxygen Demand @ 27 °C for 3 Days	IS 3025 (Part 44)
120	CHEMICAL- WATER	Surface Water	Boron as B	IS 3025(Part 57)
121	CHEMICAL- WATER	Surface water	Calcium	APHA 23rd Edition / 3500 Ca B
122	CHEMICAL- WATER	Surface Water	Calcium Hardness	APHA 23rd Edition / 3500 Ca B
123	CHEMICAL- WATER	Surface Water	Chemical Oxygen Demand	IS 3025(Part 58)
124	CHEMICAL- WATER	Surface water	Chloride as Cl	APHA 23rd Edition / 4500 Cl- B
125	CHEMICAL- WATER	Surface Water	Dissolved Oxygen (DO)	APHA 23rd Edition /4500 B
126	CHEMICAL- WATER	Surface Water	Electrical Conductivity	APHA 23rd Edition / 2510 B
127	CHEMICAL- WATER	Surface Water	Fluoride as F	APHA 23rd Edition /4500 F- D
128	CHEMICAL- WATER	Surface water	Hexavalent Chromium as Cr+6	APHA 23rd Edition / 3500 Cr B
129	CHEMICAL- WATER	Surface Water	Iron as Fe	IS 3025 (Part 53)
130	CHEMICAL- WATER	Surface Water	Magnesium	APHA 23rd Edition /3500 Mg B
131	CHEMICAL- WATER	Surface Water	Magnesium Hardness	APHA 23rd Edition / 3500 Mg B
132	CHEMICAL- WATER	Surface Water	Nitrate as NO3	IS 3025 (Part 34) : sec 3
133	CHEMICAL- WATER	Surface Water	Nitrite	APHA 23rd Edition / 4500-NO2 B
134	CHEMICAL- WATER	Surface Water	Oil & Grease	APHA 23rd Edition /5520 B
135	CHEMICAL- WATER	Surface Water	pH	APHA 23rd Edition / 4500-H+ B
136	CHEMICAL- WATER	Surface Water	Phosphate	APHA 23rd Edition / 4500 P
137	CHEMICAL- WATER	Surface water	Potassium as K	APHA 23rd Edition / 3500-K B
138	CHEMICAL- WATER	Surface Water	Sodium as Na	APHA 23rd Edition / 3500-Na- B
139	CHEMICAL- WATER	Surface Water	Sulphate as SO4	APHA 23rd Edition / 4500 SO4 -2 E
140	CHEMICAL- WATER	Surface Water	Temperature	APHA 23rd Edition / 2550 B
141	CHEMICAL- WATER	Surface Water	Total Alkalinity as CaCO3	IS 3025 (Part 23)
142	CHEMICAL- WATER	Surface Water	Total Dissolved Solids	APHA 23rd Edition /2540 C

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143	CHEMICAL- WATER	Surface Water	Total Hardness	APHA 23rd Edition / 2340 C
144	CHEMICAL- WATER	Surface Water	Total Kjendal Nitrogen	APHA 23rd Edition / 4500-N B
145	CHEMICAL- WATER	Surface Water	Total Solids	APHA 23rd Edition /2540-B
146	CHEMICAL- WATER	Surface water	Total Suspended Solids	APHA 23rd Edition / 2540-D
147	CHEMICAL- WATER	Surface Water	Turbidity	APHA 23rd Edition /2130-B