National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : EARTH CARE ENVIRO SOLUTIONS PVT. LTD., MORADIA HOUSE, PLOT NO.: 31-32, SHIV ASHISH INDUSTRIAL ESTATE CO.OP.SOCIETY-II, SOUTH ZONE ROAD, UDHNA MAGDALLA, SURAT, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

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Validity 22/12/2021 to 21/12/2023 **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
Permanent Facility				
1	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Nitrogen Dioxide (NO2)	IS 5182 (Part 6)
2	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Noise Level (SITE TESTING)	IS 9589
3	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Particulate Matter (PM10)	IS 5182 (Part 23)
4	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Particulate Matter (PM2.5)	IS 5182 (Part 24)
5	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Sulfur Dioxide (SO2)	IS 5182 (Part 2)
6	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Ammonia (NH3)	IS 11255 (Part 6)
7	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Oxides of Nitrogen (NOx)	IS 11255 (Part 7)
8	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Particulate Matter (PM)	IS 11255 (Part 1)
9	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Sulfur Dioxide (SO2)	IS 11255 (Part 2)
10	CHEMICAL- POLLUTION & ENVIRONMENT	Industrial Effluent/ Sewage water	Acidity	IS: 3025 (Part 22)
11	CHEMICAL- POLLUTION & ENVIRONMENT	Industrial Effluent/ Sewage water	Ammonical Nitrogen	IS: 3025 (Part 34)
12	CHEMICAL- POLLUTION & ENVIRONMENT	Industrial Effluent/ Sewage water	Biochemical Oxygen Demand (BOD)	IS: 3025 (Part 44)
13	CHEMICAL- POLLUTION & ENVIRONMENT	Industrial Effluent/ Sewage water	Boron (as B)	IS: 3025 (Part 57)
14	CHEMICAL- POLLUTION & ENVIRONMENT	Industrial Effluent/ Sewage water	Cadmium (as Cd)	IS 3025 (Part 41)
15	CHEMICAL- POLLUTION & ENVIRONMENT	Industrial Effluent/ Sewage water	Calcium (as Ca++)	IS: 3025 (Part 40)
16	CHEMICAL- POLLUTION & ENVIRONMENT	Industrial Effluent/ Sewage water	Chemical Oxygen Demand (COD)	APHA 23rd ed. 5220 B
17	CHEMICAL- POLLUTION & ENVIRONMENT	Industrial Effluent/ Sewage water	Chloride	IS:3025 (Part 32)
18	CHEMICAL- POLLUTION & ENVIRONMENT	Industrial Effluent/ Sewage water	Color	APHA 23rd ed. 2120 C

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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
19	CHEMICAL- POLLUTION & ENVIRONMENT	Industrial Effluent/ Sewage water	Copper (as Cu)	IS 3025 (Part 42)
20	CHEMICAL- POLLUTION & ENVIRONMENT	Industrial Effluent/ Sewage water	Free Carbon Dioxide	APHA 23rd ed.4500-CO2 C
21	CHEMICAL- POLLUTION & ENVIRONMENT	Industrial Effluent/ Sewage water	Hexavalent Chromium (as Cr+6)	APHA 23rd ed. 3500-Cr B
22	CHEMICAL- POLLUTION & ENVIRONMENT	Industrial Effluent/ Sewage water	Lead (as Pb)	IS 3025 (Part 47)
23	CHEMICAL- POLLUTION & ENVIRONMENT	Industrial Effluent/ Sewage water	Magnesium (as Mg++)	APHA 23rd ed. 3500-Mg B
24	CHEMICAL- POLLUTION & ENVIRONMENT	Industrial Effluent/ Sewage water	Nickel (as Ni)	IS 3025 (Part 54)
25	CHEMICAL- POLLUTION & ENVIRONMENT	Industrial Effluent/ Sewage water	Oil & Grease	IS: 3025 (Part 39)
26	CHEMICAL- POLLUTION & ENVIRONMENT	Industrial Effluent/ Sewage water	Organic Nitrogen	IS 3025 (Part 34)
27	CHEMICAL- POLLUTION & ENVIRONMENT	Industrial Effluent/ Sewage water	pH	IS:3025 (Part 11)
28	CHEMICAL- POLLUTION & ENVIRONMENT	Industrial Effluent/ Sewage water	Phenol	IS: 3025 (Part 43)
29	CHEMICAL- POLLUTION & ENVIRONMENT	Industrial Effluent/ Sewage water	Potassium (as K)	IS 3025 (Part 45)
30	CHEMICAL- POLLUTION & ENVIRONMENT	Industrial Effluent/ Sewage water	Settleable Matter	IS: 3025 (Part 19)
31	CHEMICAL- POLLUTION & ENVIRONMENT	Industrial Effluent/ Sewage water	Sodium (as Na)	IS 3025 (Part 45)
32	CHEMICAL- POLLUTION & ENVIRONMENT	Industrial Effluent/ Sewage water	Sodium Absorption Ratio (SAR)	IS 11642
33	CHEMICAL- POLLUTION & ENVIRONMENT	Industrial Effluent/ Sewage water	Specific Conductance	IS:3025 (Part 14)
34	CHEMICAL- POLLUTION & ENVIRONMENT	Industrial Effluent/ Sewage water	Sulphate	APHA 23rd ed. 4500-SO4 2-B
35	CHEMICAL- POLLUTION & ENVIRONMENT	Industrial Effluent/ Sewage water	Temperature	IS:3025 (Part 9)
36	CHEMICAL- POLLUTION & ENVIRONMENT	Industrial Effluent/ Sewage water	Total Alkalinity	IS: 3025 (Part23)
37	CHEMICAL- POLLUTION & ENVIRONMENT	Industrial Effluent/ Sewage water	Total Chromium	IS: 3025 (Part 52)

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38	CHEMICAL- POLLUTION & ENVIRONMENT	Industrial Effluent/ Sewage water	Total Dissolved solids	IS:3025 (Part 16)
39	CHEMICAL- POLLUTION & ENVIRONMENT	Industrial Effluent/ Sewage water	Total Fixed Solid	APHA 23rd ed.2540 E
40	CHEMICAL- POLLUTION & ENVIRONMENT	Industrial Effluent/ Sewage water	Total Hardness	IS: 3025 (Part 21)
41	CHEMICAL- POLLUTION & ENVIRONMENT	Industrial Effluent/ Sewage water	Total Solids	IS: 3025 (Part 15)
42	CHEMICAL- POLLUTION & ENVIRONMENT	Industrial Effluent/ Sewage water	Total Suspended solids	IS:3025 (Part 17)
43	CHEMICAL- POLLUTION & ENVIRONMENT	Industrial Effluent/ Sewage water	Total Volatile Solids	APHA 23rd ed. 2540 E
44	CHEMICAL- POLLUTION & ENVIRONMENT	Industrial Effluent/ Sewage water	Turbidity	IS:3025 (Part 10)
45	CHEMICAL- POLLUTION & ENVIRONMENT	Industrial Effluent/ Sewage water	Zinc (as Zn)	IS 3025 (Part 49)
46	CHEMICAL- RESIDUES IN WATER	Drinking water / Surface water / Ground water	Magnesium (as Mg)	APHA 23rd ed. 3500-Mg B
47	CHEMICAL- RESIDUES IN WATER	Drinking water / Surface water / Ground water	Potassium (as K)	IS 3025 (Part 45)
48	CHEMICAL- RESIDUES IN WATER	Drinking water / Surface water / Ground water	Sodium (as Na)	IS 3025 (Part 45)
49	CHEMICAL- RESIDUES IN WATER	Drinking water / Surface water / Ground water	Zinc (as Zn)	IS 3025 (Part 49)
50	CHEMICAL- RESIDUES IN WATER	Drinking water/ Surface water/ Ground water	Calcium (as Ca++)	IS: 3025 (Part 40)
51	CHEMICAL- RESIDUES IN WATER	Drinking water/ Surface water/ Ground water	Copper (as Cu)	IS 3025 (Part 42)
52	CHEMICAL- RESIDUES IN WATER	Drinking Water/ Surface water/ Ground water	Lead (as Pb)	IS 3025 (Part 47)
53	CHEMICAL- RESIDUES IN WATER	Drinking water/ Surface water/ Ground water	Nickel (as Ni)	IS 3025 (Part 54)
54	CHEMICAL- RESIDUES IN WATER	Drinking water/Surface water/Ground water	Cadmium (as Cd)	IS 3025 (Part 41)
55	CHEMICAL- WATER	Drinking Water/ Surface Water/ Ground Water	Acidity	IS: 3025 (Part 22)
56	CHEMICAL- WATER	Drinking Water/ Surface Water/ Ground Water	Ammonical Nitrogen	IS: 3025 (Part 34)
57	CHEMICAL- WATER	Drinking Water/ Surface Water/ Ground Water	Biochemical Oxygen Demand (BOD)	IS: 3025 (Part 44)

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58	CHEMICAL- WATER	Drinking Water/ Surface Water/ Ground Water	Boron	IS: 3025 (Part 57)
59	CHEMICAL- WATER	Drinking Water/ Surface Water/ Ground Water	Chemical Oxygen Demand (COD)	APHA 23rd ed.5220 B
60	CHEMICAL- WATER	Drinking Water/ Surface Water/ Ground Water	Chloride (Cl)	IS:3025 (Part 32)
61	CHEMICAL- WATER	Drinking Water/ Surface Water/ Ground Water	Chlorine, Residual	APHA 23rd ed.4500-Cl B
62	CHEMICAL- WATER	Drinking Water/ Surface Water/ Ground Water	Color	APHA 23rd ed.2120 C
63	CHEMICAL- WATER	Drinking Water/ Surface Water/ Ground Water	Dissolved Oxygen (DO)	IS 3025 (Part 38)
64	CHEMICAL- WATER	Drinking Water/ Surface Water/ Ground Water	pH	IS:3025 (Part 11)
65	CHEMICAL- WATER	Drinking Water/ Surface Water/ Ground Water	Phenol	IS: 3025 (Part 43)
66	CHEMICAL- WATER	Drinking Water/ Surface Water/ Ground Water	Settleable Matter	IS: 3025 (Part 19)
67	CHEMICAL- WATER	Drinking Water/ Surface Water/ Ground Water	Silica (as SiO2)	IS 3025 (Part 35)
68	CHEMICAL- WATER	Drinking Water/ Surface Water/ Ground Water	Sodium Absorption Ratio (SAR)	IS 11642(1986)
69	CHEMICAL- WATER	Drinking Water/ Surface Water/ Ground Water	Specific Conductance	IS:3025 (Part 14)
70	CHEMICAL- WATER	Drinking Water/ Surface Water/ Ground Water	Sulphate	APHA 23rd ed.4500-SO4 2- C
71	CHEMICAL- WATER	Drinking Water/ Surface Water/ Ground Water	Temperature	IS:3025 (Part 9)
72	CHEMICAL- WATER	Drinking Water/ Surface Water/ Ground Water	Total Alkalinity	IS: 3025 (Part23)
73	CHEMICAL- WATER	Drinking Water/ Surface Water/ Ground Water	Total Dissolved solids	IS:3025 (Part 16)
74	CHEMICAL- WATER	Drinking Water/ Surface Water/ Ground Water	Total Hardness	IS: 3025 (Part 21)
75	CHEMICAL- WATER	Drinking Water/ Surface Water/ Ground Water	Total Solids	IS: 3025 (Part 15)
76	CHEMICAL- WATER	Drinking Water/ Surface Water/ Ground Water	Total Suspended solids	IS:3025 (Part 17)
77	CHEMICAL- WATER	Drinking Water/ Surface Water/ Ground Water	Turbidity	IS:3025 (Part 10)