National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	GREEN ENVIROCARE, 1ST FLOOR, GOPIJAN COMPLEX, AMARNAGAR ROAD, JETPUR, RAJKOT, GUJARAT, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-9976	**Page No**	1 of 9
Validity	12/10/2021 to 11/10/2023	**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
Permanent Facility				
1	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Ammonia	IS 5182 (Part 25)
2	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Nitrogen Dioxide as NO2	IS 5182 (Part 06)
3	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Particulate Matter (size less than 10 µm) as PM10	IS 5182 (Part 23)
4	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Particulate Matter (size less than 2.5 µm) as PM 2.5	IS 5182 (Part 24)
5	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Sulphur Dioxide as SO2	IS 5182 (Part 02)
6	CHEMICAL- ATMOSPHERIC POLLUTION	Noise	Ambient Noise Level Measurement Leq dB (A)	IS 9989
7	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Oxides of Nitrogen as NOx	IS 11255 (Part 07)
8	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Particulate Matter as PM	IS 11255 (Part 01)
9	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Sulphur Dioxide as SO2	IS 11255 (Part 02)
10	CHEMICAL- POLLUTION & ENVIRONMENT	Waste (Sludge/Solid)	Moisture	IS 9235
11	CHEMICAL- POLLUTION & ENVIRONMENT	Waste (Sludge/Solid)	Non-Volatile Substance	IS 10158
12	CHEMICAL- POLLUTION & ENVIRONMENT	Waste (Sludge/Solid)	pH	IS 10158
13	CHEMICAL- POLLUTION & ENVIRONMENT	Waste (Sludge/Solid)	Potassium	IS 10158
14	CHEMICAL- POLLUTION & ENVIRONMENT	Waste (Sludge/Solid)	TKN	IS 10158
15	CHEMICAL- POLLUTION & ENVIRONMENT	Waste (Sludge/Solid)	Volatile Substance	IS 10158
16	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	% Sodium	GE/SOP-W/%Na, Issue No.01,Date -01-06-2020
17	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Calcium as Ca	APHA, 23rd Edition /EDTA Titrimetric Method 3500-Ca-B
18	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Calcium Hardness as CaCO3	APHA, 23rd Edition /EDTA Titrimetric Method 3500-Ca-B

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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	Waste Water	Magnesium as Mg	APHA, 23rd Edition /Calculation Method 3500 –Mg B
20	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Magnesium Hardness as CaCO3	APHA, 23rd Edition /Calculation Method 3500 –Mg B
21	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Sodium Absorption Ratio	IS 11624
22	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Total Hardness as CaCO3	APHA, 23rd Edition /EDTA Titrimetric Method 2340-C
23	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Bio Chemical Oxygen Demand @ 27 0C for 3 Days	IS 3025 (Part 44)
24	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Chemical Oxygen Demand	IS 3025 (Part 58)
25	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Chloride as Cl	APHA, 23rd Edition/ Argentometric Method 4500-Cl- B
26	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Color	APHA, 23rd Edition/ Spectrophotometric 2120 C,Visual Comparison 2120-B
27	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Dissolved Oxygen (DO)	APHA, 23rd Edition/Azide Modification 4500-C
28	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Electrical Conductivity	APHA, 23rd Edition/Laboratory Method 2510-B
29	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Fluoride	APHA, 23rd Edition/Preliminary Distillation Step & SPADNS Method 4500- F B & D
30	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Hexa valent Chromium as Cr+6	APHA, 23rd Edition/Colorimetric Method 3500-Cr B
31	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Iron as Fe	APHA, 23rd Edition/Phenanthroline Method 3500 B-Fe
32	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Nitrate	IS 3025 (Part 34) - Chromotropic Acid Method
33	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Nitrite	APHA, 23rd Edition/Colorimetric Method 4500-NO2- B
34	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Oil & Grease	APHA, 23rd Edition/Liquid-Liquid ,Partition- Gravimetric Method 5520 B
35	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	pH	APHA, 23rd Edition/Electrometric Method 4500-H+ B

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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
36	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Phosphate	APHA, 23rd Edition/Stannous Chloride Method 4500-P, C-D
37	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Potassium as K	APHA, 23rd Edition/Flame Photometric Method 3500-K B
38	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Reactive Silica as SiO2	APHA,23rd Edition/Molybdosilicate Method 4500-SiO2 C
39	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Residual Chlorine	APHA, 23rd Edition/Iodometric Method-I 4500-Cl B
40	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Sodium as Na	APHA, 23rd Edition/Flame Emission Photometric Method 3500-Na B
41	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Sulphate as SO4	APHA, 23rd Edition/Turbidimetric Method 4500-SO42-
42	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Temperature	APHA, 23rd Edition/Laboratory and Field Method 2550-B
43	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Total dissolved solids	APHA, 23rd Edition/ Total Dissolved Solids Dried at 180°C 2540-C
44	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Total Kjeldahl Nitrogen as TKN	PHA, 23rd Edition/Macro-Kjeldahl Method 4500-Norg –B
45	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Total solids	APHA, 23rd Edition/ Total Solids Dried at 103-105°C 2540-B
46	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Total Suspended solids	APHA, 23rd Edition/ Total Suspended Solids Dried at 103-105°C 2540-D
47	CHEMICAL- POLLUTION & ENVIRONMENT	Waster Water	Ammonical Nitrogen as NH3-N	APHA, 23rd Edition/Preliminary Distillation Step & Titrimetric Method 4500- NH3 B & C
48	CHEMICAL- WATER	Drinking Water	Ammonical Nitrogen as NH3-N	APHA, 23rd Edition/Preliminary Distillation Step & Titrimetric Method 4500- NH3 B & C
49	CHEMICAL- WATER	Drinking Water	Calcium as Ca	APHA, 23rd Edition/EDTA Titrimetric Method 3500-Ca-B
50	CHEMICAL- WATER	Drinking Water	Calcium Hardness as CaCO3	APHA, 23rd Edition/EDTA Titrimetric Method 3500-Ca-B
51	CHEMICAL- WATER	Drinking Water	Chloride as Cl	APHA, 23rd Edition/ Argentometric Method 4500-Cl-B

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52	CHEMICAL- WATER	Drinking Water	Color	APHA, 23rd Edition/ Spectrophotometric 2120 C,Visual Comparison 2120-B
53	CHEMICAL- WATER	Drinking Water	Dissolved Oxygen (DO)	APHA, 23rd Edition/Azide Modification 4500-C
54	CHEMICAL- WATER	Drinking Water	Electrical Conductivity	APHA, 23rd Edition/Laboratory Method 2510-B
55	CHEMICAL- WATER	Drinking Water	Fluoride	APHA, 23rd Edition/Preliminary Distillation Step & SPADNS Method 4500- F B & D
56	CHEMICAL- WATER	Drinking Water	Hexa valent Chromium as Cr+6	APHA, 23rd Edition/Colorimetric Method 3500-Cr B
57	CHEMICAL- WATER	Drinking Water	Iron as Fe	APHA, 23rd Edition/Phenanthroline Method 3500 B-Fe
58	CHEMICAL- WATER	Drinking Water	Magnesium as Mg	APHA, 23rd Edition/Calculation Method 3500 –Mg B
59	CHEMICAL- WATER	Drinking Water	Magnesium Hardness as CaCO3	APHA, 23rd Edition/Calculation Method 3500 –Mg B
60	CHEMICAL- WATER	Drinking Water	Nitrate	IS 3025 (Part 34) - Chromotropic Acid Method
61	CHEMICAL- WATER	Drinking Water	Nitrite	APHA, 23rd Edition/Colorimetric Method 4500-NO2- B
62	CHEMICAL- WATER	Drinking Water	pH	APHA, 23rd Edition/Electrometric Method 4500-H+ B
63	CHEMICAL- WATER	Drinking Water	Phosphate	APHA, 23rd Edition/Stannous Chloride Method 4500-P, C-D
64	CHEMICAL- WATER	Drinking Water	Potassium as K	APHA, 23rd Edition/Flame Photometric Method 3500-K B
65	CHEMICAL- WATER	Drinking Water	Reactive Silica as SiO2	APHA,23rd Edition/Molybdosilicate Method 4500-SiO2 C
66	CHEMICAL- WATER	Drinking Water	Residual Chlorine	APHA, 23rd Edition/Iodometric Method-I 4500-Cl B
67	CHEMICAL- WATER	Drinking Water	Sodium as Na	APHA, 23rd Edition/Flame Emission Photometric Method 3500-Na B

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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
68	CHEMICAL- WATER	Drinking Water	Sulphate as SO4	APHA, 23rd Edition/Turbidimetric Method 4500-SO42-
69	CHEMICAL- WATER	Drinking Water	Temperature	APHA, 23rd Edition/Laboratory and Field Method 2550-B
70	CHEMICAL- WATER	Drinking Water	Total Acidity as CaCO3	APHA, 23rd Edition/Titration Method 2310-B
71	CHEMICAL- WATER	Drinking Water	Total Alkalinity as CaCO3	APHA, 23rd Edition/Titration Method 2320-B
72	CHEMICAL- WATER	Drinking Water	Total dissolved solids	APHA, 23rd Edition/ Total Dissolved Solids Dried at 180°C 2540-C
73	CHEMICAL- WATER	Drinking Water	Total Hardness as CaCO3	APHA, 23rd Edition/EDTA Titrimetric Method 2340-C
74	CHEMICAL- WATER	Drinking Water	Total Kjeldahl Nitrogen as TKN	APHA, 23rd Edition/Macro-Kjeldahl Method 4500-Norg –B
75	CHEMICAL- WATER	Drinking Water	Total solids	APHA, 23rd Edition/ Total Solids Dried at 103-105°C 2540-B
76	CHEMICAL- WATER	Drinking Water	Total Suspended solids	APHA, 23rd Edition/ Total Suspended Solids Dried at 103-105°C 2540-D
77	CHEMICAL- WATER	Drinking Water	Turbidity	APHA, 23rd Edition/ Nephelometric Method 2130-B
78	CHEMICAL- WATER	Ground Water	Ammonical Nitrogen as NH3-N	APHA, 23rd Edition/Preliminary Distillation Step & Titrimetric Method 4500- NH3 B & C
79	CHEMICAL- WATER	Ground Water	Bio Chemical Oxygen Demand @ 27 0C for 3 Days	IS 3025 (Part 44)
80	CHEMICAL- WATER	Ground Water	Calcium as Ca	APHA, 23rd Edition/EDTA Titrimetric Method 3500-Ca-B
81	CHEMICAL- WATER	Ground Water	Calcium Hardness as CaCO3	APHA, 23rd Edition/EDTA Titrimetric Method 3500-Ca-B
82	CHEMICAL- WATER	Ground Water	Chemical Oxygen Demand	IS 3025 (Part 58)
83	CHEMICAL- WATER	Ground Water	Chloride as Cl	APHA, 23rd Edition/ Argentometric Method 4500-Cl-B
84	CHEMICAL- WATER	Ground Water	Color	APHA, 23rd Edition/ Spectrophotometric 2120 C,Visual Comparison 2120-B

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85	CHEMICAL- WATER	Ground Water	Dissolved Oxygen (DO)	APHA, 23rd Edition/Azide Modification 4500-C
86	CHEMICAL- WATER	Ground Water	Electrical Conductivity	APHA, 23rd Edition/Laboratory Method 2510-B
87	CHEMICAL- WATER	Ground Water	Fluoride	APHA, 23rd Edition/Preliminary Distillation Step & SPADNS Method 4500- F B & D
88	CHEMICAL- WATER	Ground Water	Hexa valent Chromium as Cr+6	APHA, 23rd Edition/Colorimetric Method 3500-Cr B
89	CHEMICAL- WATER	Ground Water	Iron as Fe	APHA, 23rd Edition/Phenanthroline Method 3500 B-Fe
90	CHEMICAL- WATER	Ground Water	Magnesium as Mg	APHA, 23rd Edition/Calculation Method 3500 –Mg B
91	CHEMICAL- WATER	Ground Water	Magnesium Hardness as CaCO3	APHA, 23rd Edition/Calculation Method 3500 –Mg B
92	CHEMICAL- WATER	Ground Water	Nitrate	IS 3025 (Part 34) - Chromotropic Acid Method
93	CHEMICAL- WATER	Ground Water	Nitrite	APHA, 23rd Edition/Colorimetric Method 4500-NO2- B
94	CHEMICAL- WATER	Ground Water	Oil & Grease	APHA, 23rd Edition/Liquid-Liquid ,Partition- Gravimetric Method 5520 B
95	CHEMICAL- WATER	Ground Water	pH	APHA, 23rd Edition/Electrometric Method 4500-H+ B
96	CHEMICAL- WATER	Ground Water	Phosphate	APHA, 23rd Edition/Stannous Chloride Method 4500-P, C-D
97	CHEMICAL- WATER	Ground Water	Potassium as K	APHA, 23rd Edition/Flame Photometric Method 3500-K B
98	CHEMICAL- WATER	Ground Water	Reactive Silica as SiO2	APHA,23rd Edition/Molybdosilicate Method 4500-SiO2 C
99	CHEMICAL- WATER	Ground Water	Residual Chlorine	APHA, 23rd Edition/Iodometric Method-I 4500-Cl B
100	CHEMICAL- WATER	Ground Water	Sodium as Na	APHA, 23rd Edition/Flame Emission Photometric Method 3500-Na B

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101	CHEMICAL- WATER	Ground Water	Sulphate as SO4	APHA, 23rd Edition/Turbidimetric Method 4500-SO42-
102	CHEMICAL- WATER	Ground Water	Temperature	APHA, 23rd Edition/Laboratory and Field Method 2550-B
103	CHEMICAL- WATER	Ground Water	Total Acidity as CaCO3	APHA, 23rd Edition/Titration Method 2310-B
104	CHEMICAL- WATER	Ground Water	Total Alkalinity as CaCO3	APHA, 23rd Edition/Titration Method 2320-B
105	CHEMICAL- WATER	Ground Water	Total dissolved solids	APHA, 23rd Edition/ Total Dissolved Solids Dried at 180°C 2540-C
106	CHEMICAL- WATER	Ground Water	Total Hardness as CaCO3	APHA, 23rd Edition/EDTA Titrimetric Method 2340-C
107	CHEMICAL- WATER	Ground Water	Total Kjeldahl Nitrogen as TKN	APHA, 23rd Edition/Macro-Kjeldahl Method 4500-Norg –B
108	CHEMICAL- WATER	Ground Water	Total solids	APHA, 23rd Edition/ Total Solids Dried at 103-105°C 2540-B
109	CHEMICAL- WATER	Ground Water	Total Suspended solids	APHA, 23rd Edition/ Total Suspended Solids Dried at 103-105°C 2540-D
110	CHEMICAL- WATER	Ground Water	Turbidity	APHA, 23rd Edition/ Nephelometric Method 2130-B
111	CHEMICAL- WATER	Surface Water	Reactive Silica as SiO2	APHA,23rd Edition/Molybdosilicate Method 4500-SiO2 C
112	CHEMICAL- WATER	Surface Water	Sodium Absorption Ratio	IS 11624
113	CHEMICAL- WATER	Surface Water	% Sodium	calculation method _SOP for Water & Waste Water Analysis GE/SOP-W/%Na, Issue No.01,Date -01-06-2020
114	CHEMICAL- WATER	Surface Water	Ammonical Nitrogen as NH3-N	APHA, 23rd Edition/Preliminary Distillation Step & Titrimetric Method 4500- NH3 B & C
115	CHEMICAL- WATER	Surface Water	Bio Chemical Oxygen Demand @ 27 0C for 3 Days	IS 3025 (Part 44)
116	CHEMICAL- WATER	Surface Water	Calcium as Ca	APHA, 23rd Edition/EDTA Titrimetric Method 3500-Ca-B
117	CHEMICAL- WATER	Surface Water	Calcium Hardness as CaCO3	APHA, 23rd Edition/EDTA Titrimetric Method 3500-Ca-B

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118	CHEMICAL- WATER	Surface Water	Chemical Oxygen Demand	IS 3025 (Part 58)
119	CHEMICAL- WATER	Surface Water	Chloride as Cl	APHA, 23rd Edition/ Argentometric Method 4500-Cl-B
120	CHEMICAL- WATER	Surface Water	Color	APHA, 23rd Edition/ Spectrophotometric 2120 C,Visual Comparison 2120-B
121	CHEMICAL- WATER	Surface Water	Dissolved Oxygen (DO)	APHA, 23rd Edition/Azide Modification 4500-C
122	CHEMICAL- WATER	Surface Water	Electrical Conductivity	APHA, 23rd Edition/Laboratory Method 2510-B
123	CHEMICAL- WATER	Surface Water	Fluoride	APHA, 23rd Edition/Preliminary Distillation Step & SPADNS Method 4500- F B & D
124	CHEMICAL- WATER	Surface Water	Hexa valent Chromium as Cr+6	APHA, 23rd Edition/Colorimetric Method 3500-Cr B
125	CHEMICAL- WATER	Surface Water	Iron as Fe	APHA, 23rd Edition/Phenanthroline Method 3500 B-Fe
126	CHEMICAL- WATER	Surface Water	Magnesium as Mg	APHA, 23rd Edition/Calculation Method 3500 –Mg B
127	CHEMICAL- WATER	Surface Water	Magnesium Hardness as CaCO3	APHA, 23rd Edition/Calculation Method 3500 –Mg B
128	CHEMICAL- WATER	Surface Water	Nitrate	IS 3025 (Part 34) - Chromotropic Acid Method
129	CHEMICAL- WATER	Surface Water	Nitrite	APHA, 23rd Edition/Colorimetric Method 4500-NO2- B
130	CHEMICAL- WATER	Surface Water	Oil & Grease	APHA, 23rd Edition/Liquid-Liquid ,Partition- Gravimetric Method 5520 B
131	CHEMICAL- WATER	Surface Water	pH	APHA, 23rd Edition/Electrometric Method 4500-H+ B
132	CHEMICAL- WATER	Surface Water	Phosphate	APHA, 23rd Edition/Stannous Chloride Method 4500-P, C-D
133	CHEMICAL- WATER	Surface Water	Potassium as K	APHA, 23rd Edition/Flame Photometric Method 3500-K B
134	CHEMICAL- WATER	Surface Water	Residual Chlorine	APHA, 23rd Edition/Iodometric Method-I 4500-Cl B

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135	CHEMICAL- WATER	Surface Water	Sodium as Na	APHA, 23rd Edition/Flame Emission Photometric Method 3500-Na B
136	CHEMICAL- WATER	Surface Water	Sulphate as SO4	APHA, 23rd Edition/Turbidimetric Method 4500-SO42-
137	CHEMICAL- WATER	Surface Water	Temperature	APHA, 23rd Edition/Laboratory and Field Method 2550-B
138	CHEMICAL- WATER	Surface Water	Total Acidity as CaCO3	APHA, 23rd Edition/Titration Method 2310-B
139	CHEMICAL- WATER	Surface Water	Total Alkalinity as CaCO3	APHA, 23rd Edition/Titration Method 2320-B
140	CHEMICAL- WATER	Surface Water	Total dissolved solids	APHA, 23rd Edition/ Total Dissolved Solids Dried at 180°C 2540-C
141	CHEMICAL- WATER	Surface Water	Total Hardness as CaCO3	APHA, 23rd Edition/EDTA Titrimetric Method 2340-C
142	CHEMICAL- WATER	Surface Water	Total Kjeldahl Nitrogen as TKN	APHA, 23rd Edition/Macro-Kjeldahl Method 4500-Norg –B
143	CHEMICAL- WATER	Surface Water	Total solids	APHA, 23rd Edition/ Total Solids Dried at 103-105°C 2540-B
144	CHEMICAL- WATER	Surface Water	Total Suspended solids	APHA, 23rd Edition/ Total Suspended Solids Dried at 103-105°C 2540-D
145	CHEMICAL- WATER	Surface Water	Turbidity	APHA, 23rd Edition/ Nephelometric Method 2130-B