National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : GREENZZ ENVIROTECH SOLUTIONS (LABORATORY DIVISION), 412-415, 4TH FLOOR, AMBY VALLEY ARCADE, SURAT, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-8837 **Page No** 1 of 7

Validity 13/04/2022 to 12/04/2024 **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 (NH3)	IS 5182 (Part-25) Indophenol method
2	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Nitrogen Oxide (NOx)	IS 5182 (Part 6)
3	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient air	Particulate Matter PM10	IS 5182 (Part 23)
4	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient air	Particulate Matter PM2.5	CPCB Guideline, Vol-1 NAAQMS
5	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient air	Sulfur Dioxide (SO2)	IS 5182 (Part 2)
6	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Noise Levels (Excluding vibration)	Noise level	IS:9989 Instrument Method
7	CHEMICAL- ATMOSPHERIC POLLUTION	Stack emission	Ammonia (NH3)	IS 11255 (Part-6) Titration method
8	CHEMICAL- ATMOSPHERIC POLLUTION	Stack emission	Nitrogen Oxide (NOx)	IS 11255 (Part 7)
9	CHEMICAL- ATMOSPHERIC POLLUTION	Stack emission	Particulate Matter	IS 11255 (Part 1)
10	CHEMICAL- ATMOSPHERIC POLLUTION	Stack emission	Sulfur Dioxide (SO2)	IS 11255(Part 2) IPA- Thorin method
11	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Magnesium	APHA 23rd ed. 3500 B(3-86)Calculation method
12	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Chloride	IS:3025 (Part 32) Argentometric Method
13	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Acidity	IS: 3025 (Part 22)
14	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Ammonical Nitrogen	IS 3025 (Part 34) (titrimetric method)
15	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Biological Oxygen Demand (BOD)	IS: 3025 (Part 44)
16	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Calcium as Ca	IS: 3025 (Part 40) (EDTA titrimetrc method)
17	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Chemical Oxygen Demand (COD)	IS:3025 (Part 58)
18	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Dissolved Oxygen (DO)	IS: 3025 (Part 38)-1993 Reaffirmed (azide modification method)

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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 (Effluents/Sewage)	Oil & Grease	APHA 23rd ed. 5520 B(5-42)Partition Gravimetric Method
20	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	pH	IS:3025 (Part 11)
21	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Phenol	IS 3025 (Part 43) 4-Aminoantipyrine Method with chloroform extraction
22	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Potassium (as K)	IS 3025 (Part 45) Flame Photometry Method
23	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Settleable Matter	IS: 3025 (Part 19)
24	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Sodium (as Na)	IS 3025 (Part 45) Flame Photometry Method
25	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Specific Conductance (conductivity)	IS:3025 (Part 14)
26	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Sulfide	APHA 23rd ed. 4500 F(4-187)Iodometric method
27	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Sulfite	IS:3025 (Part 28)
28	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Temperature	IS:3025 (Part 9)
29	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Total Alkalinity	IS: 3025 (Part23)
30	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Total Dissolved solids	IS:3025 (Part 16)
31	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Total Fixed Solid	IS:3025 (Part 18)
32	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Total Hardness as CaCO3	IS: 3025 (Part 21) EDTA Titrametric Method
33	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Total Solids	IS: 3025 (Part 15)
34	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Total Suspended solids	IS:3025 (Part 17)
35	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Total Volatile Solids	IS:3025 (Part 18)
36	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water (Effluents/Sewage)	Turbidity	IS:3025 (Part 10)

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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
37	CHEMICAL- WATER	Drinking Water	Calcium as Ca	IS: 3025 (Part 40) EDTA Titrimetric Method
38	CHEMICAL- WATER	Drinking Water	Chloride (Cl)	IS:3025 (Part 32) Argentometric Method
39	CHEMICAL- WATER	Drinking Water	Dissolved Oxygen (DO)	IS: 3025 (Part 38) Azide Modification Method
40	CHEMICAL- WATER	Drinking Water	Magnesium	APHA 23rd ed. 3500 B(3-86)Calculation Method
41	CHEMICAL- WATER	Drinking Water	pH	IS:3025 (Part 11)
42	CHEMICAL- WATER	Drinking Water	Potassium (as K)	IS 3025 (Part 45) Flame Photometry Method
43	CHEMICAL- WATER	Drinking Water	Sodium (as Na)	IS 3025 (Part 45) Flame Photometry Method
44	CHEMICAL- WATER	Drinking Water	Total Alkalinity	IS: 3025 (Part23)
45	CHEMICAL- WATER	Drinking Water	Total Dissolved solids	IS:3025 (Part 16)
46	CHEMICAL- WATER	Drinking Water	Total Hardness as CaCO3	IS: 3025 (Part 21) EDTA Titrametric Method
47	CHEMICAL- WATER	Drinking Water	Total Solids	IS: 3025 (Part 15)
48	CHEMICAL- WATER	Drinking Water	Turbidity	IS:3025 (Part 10)
49	CHEMICAL- WATER	Ground Water	Ammonical Nitrogen	IS:3025 (Part 34) Titrimetric Method
50	CHEMICAL- WATER	Ground Water	Calcium as Ca	IS: 3025 (Part 40) EDTA Titrimetric Method
51	CHEMICAL- WATER	Ground Water	Chemical Oxygen Demand (COD)	IS: 3025 (Part 58)
52	CHEMICAL- WATER	Ground Water	Chloride (Cl)	IS: 3025 (Part 32) Argentometric Method
53	CHEMICAL- WATER	Ground Water	Dissolved Oxygen (DO)	IS: 3025 (Part 38)
54	CHEMICAL- WATER	Ground Water	Magnesium (as Mg)	APHA 23rd ed. 3500 B(3-86)Calculation Method
55	CHEMICAL- WATER	Ground Water	pH	IS:3025 (Part 11)
56	CHEMICAL- WATER	Ground Water	Potassium	IS 3025 (Part 45) Flame Photometry Method
57	CHEMICAL- WATER	Ground Water	Sodium	IS 3025 (Part 45) Flame Photometry Method
58	CHEMICAL- WATER	Ground Water	Specific Conductance	IS:3025 (Part 14)

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59	CHEMICAL- WATER	Ground Water	Temperature	IS:3025 (Part 9)
60	CHEMICAL- WATER	Ground Water	Total Alkalinity	IS: 3025 (Part23)
61	CHEMICAL- WATER	Ground Water	Total Dissolved solids	IS:3025 (Part 16)
62	CHEMICAL- WATER	Ground Water	Total Hardness as CaCO3	IS: 3025 (Part 21) EDTA Titrametric Method
63	CHEMICAL- WATER	Ground Water	Total Solids	IS: 3025 (Part 15)
64	CHEMICAL- WATER	Ground Water	Turbidity	IS:3025 (Part 10)
65	CHEMICAL- WATER	Industrial Water	Magnesium	APHA 23rd ed. 3500 B(3-86) (Calculation Method)
66	CHEMICAL- WATER	Industrial Water	Acidity	IS: 3025 (Part 22)
67	CHEMICAL- WATER	Industrial Water	Ammonical Nitrogen	IS: 3025 (Part 34) Titrimetric Method
68	CHEMICAL- WATER	Industrial Water	Biological Oxygen Demand (BOD)	IS: 3025 (Part 44)
69	CHEMICAL- WATER	Industrial Water	Calcium as Ca	IS: 3025 (Part 40) EDTA Titrimetric Method
70	CHEMICAL- WATER	Industrial Water	Chemical Oxygen Demand (COD)	IS:3025 (Part 58)
71	CHEMICAL- WATER	Industrial Water	Chloride	IS:3025 (Part 32) Argentometric Method
72	CHEMICAL- WATER	Industrial Water	Dissolved Oxygen (DO)	IS: 3025 (Part 38)
73	CHEMICAL- WATER	Industrial Water	Oil & Grease	APHA 23rd ed. 5520 B(5-42)Partition Gravimetric Method
74	CHEMICAL- WATER	Industrial Water	pH	IS:3025 (Part 11)
75	CHEMICAL- WATER	Industrial Water	Phenol	IS 3025 (Part 43) 4-Aminoantipyrine Method with chloroform extraction
76	CHEMICAL- WATER	Industrial Water	Potassium	IS 3025 (Part 45) Flame Photometry Method
77	CHEMICAL- WATER	Industrial Water	Settleable Matter	IS: 3025 (Part 19) Gravimetric Method
78	CHEMICAL- WATER	Industrial Water	Sodium	IS 3025 (Part 45) Flame Photometry Method
79	CHEMICAL- WATER	Industrial Water	Specific Conductance	IS:3025 (Part 14)
80	CHEMICAL- WATER	Industrial Water	Sulfite	IS:3025 (Part 28)

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81	CHEMICAL- WATER	Industrial Water	Temperature	IS:3025 (Part 9)
82	CHEMICAL- WATER	Industrial Water	Total Alkalinity	IS: 3025 (Part23)
83	CHEMICAL- WATER	Industrial Water	Total Dissolved solids	IS:3025 (Part 16)
84	CHEMICAL- WATER	Industrial Water	Total Fixed Solid	IS:3025 (Part 18)
85	CHEMICAL- WATER	Industrial Water	Total Hardness as CaCO3	IS: 3025 (Part 21) EDTA Titrametric Method
86	CHEMICAL- WATER	Industrial Water	Total Solids	IS: 3025 (Part 15)
87	CHEMICAL- WATER	Industrial Water	Total Suspended solids	IS:3025 (Part 17)
88	CHEMICAL- WATER	Industrial Water	Total Volatile Solids	IS:3025 (Part 18)
89	CHEMICAL- WATER	Industrial Water	Turbidity	IS:3025 (Part 10)
90	CHEMICAL- WATER	Surface Water	Ammonical Nitrogen	IS: 3025 (Part 34) Titrimetric Method
91	CHEMICAL- WATER	Surface Water	Biological Oxygen Demand (BOD	IS: 3025 (Part 44)
92	CHEMICAL- WATER	Surface Water	Calcium as Ca	IS: 3025 (Part 40) EDTA Titrimetric Method
93	CHEMICAL- WATER	Surface Water	Chemical Oxygen Demand (COD)	IS:3025 (Part 58)
94	CHEMICAL- WATER	Surface Water	Chloride	IS:3025 (Part 32) Argentometric Method
95	CHEMICAL- WATER	Surface Water	Dissolved Oxygen (DO)	IS: 3025 (Part 38) Azide Modification Method
96	CHEMICAL- WATER	Surface Water	Magnesium	APHA 23rd ed. 3500 B(3-86)Calculation Method
97	CHEMICAL- WATER	Surface Water	Oil & Grease	APHA 23rd ed. 5520 B(5-42) Partition Gravimetric Method
98	CHEMICAL- WATER	Surface Water	pH	IS:3025 (Part 11)
99	CHEMICAL- WATER	Surface Water	Potassium	IS 3025 (Part 45) Flame Photometry Method
100	CHEMICAL- WATER	Surface Water	sodium	IS 3025(Part 45) Flame Photometry Method
101	CHEMICAL- WATER	Surface Water	specific Conductance	IS 3025(Part 14)
102	CHEMICAL- WATER	Surface Water	Temperature	IS:3025 (Part 9)
103	CHEMICAL- WATER	Surface Water	Total Dissolved solids	IS:3025 (Part 16)

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104	CHEMICAL- WATER	Surface Water	Total Hardness	IS: 3025 (Part 21) EDTA Titrametric Method
105	CHEMICAL- WATER	Surface Water	Total Solids	IS: 3025 (Part 15)
106	CHEMICAL- WATER	Surface Water	Turbidity	IS:3025 (Part 10)

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Site Facility				
1	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Ammonia (NH3)	IS 5182 (Part-25) Indophenol method
2	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Nitrogen Oxide (NOx)	IS 5182 (Part 6)
3	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient air	Particulate Matter PM10	IS 5182 (Part 23)
4	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient air	Particulate Matter PM2.5	CPCB Guideline, Vol-1 NAAQMS
5	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient air	Sulfur Dioxide (SO2)	IS 5182 (Part 2)
6	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Noise Levels (Excluding vibration)	Noise level	IS:9989 Instrument Method
7	CHEMICAL- ATMOSPHERIC POLLUTION	Stack emission	Ammonia (NH3)	IS 11255 (Part-6) Titration method
8	CHEMICAL- ATMOSPHERIC POLLUTION	Stack emission	Nitrogen Oxide (NOx)	IS 11255 (Part 7)
9	CHEMICAL- ATMOSPHERIC POLLUTION	Stack emission	Particulate Matter	IS 11255 (Part 1)
10	CHEMICAL- ATMOSPHERIC POLLUTION	Stack emission	Sulfur Dioxide (SO2)	IS 11255(Part 2) IPA- Thorin method
11	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Temperature	IS:3025 (Part 9)
12	CHEMICAL- WATER	Ground Water	Temperature	IS:3025 (Part 9)
13	CHEMICAL- WATER	Industrial Water	Temperature	IS:3025 (Part 9)