National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : ENVIRONMENTAL TESTING AND POLLUTANT ANALYSIS LAB - YUVA ENVIRO EXPERTS, 1210 & 1211, BINORI-B SQUARE 2, VIKRAMNAGAR PRL COLONY, AMBLI BRTS ROAD, AHMEDABAD, AHMEDABAD, GUJARAT, 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	Oxides of Nitrogen	IS 5182, Part-6
2	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Particulate matter ,PM2.5	IS 5182, Part-24
3	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Respirable suspended particulate matter,PM10	IS 5182 Part – 23
4	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Sulfur Dioxide	IS 5182 Part – 2
5	CHEMICAL- ATMOSPHERIC POLLUTION	Assessment of Noise w.r.t Community Response	Noise level	IS 9989
6	CHEMICAL- ATMOSPHERIC POLLUTION	Measurement of Noise Emitted by the Machine	Noise level	IS 4758
7	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Ammonia	IS 11255 Part – 6
8	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Oxides of Nitrogen	IS 11255 Part – 7
9	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Particulate Matter	IS 11255 Part – 1
10	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Sulfur Dioxide	IS 11255 Part – 2
11	CHEMICAL- POLLUTION & ENVIRONMENT	Effluents/ Sewage	Ammonical Nitrogen	APHA (23rd edition): 4500 NH3 C
12	CHEMICAL- POLLUTION & ENVIRONMENT	Effluents/ Sewage	Chemical Oxygen Demand (COD)	APHA (23rd edition): 5220 B Open Reflux method
13	CHEMICAL- POLLUTION & ENVIRONMENT	Effluents/ Sewage	Dissolved Oxygen (DO)	IS 3025 (Part – 38)
14	CHEMICAL- POLLUTION & ENVIRONMENT	Effluents/ Sewage	Oil and grease	IS 3025 (Part – 39)
15	CHEMICAL- POLLUTION & ENVIRONMENT	Effluents/ Sewage	Sulphate	APHA (23rd edition):4500 SO4–2E Gravimetric Method
16	CHEMICAL- POLLUTION & ENVIRONMENT	Effluents/Sewage	Acidity	APHA (23rd edition): 2310 B
17	CHEMICAL- POLLUTION & ENVIRONMENT	Effluents/Sewage	Alkalinity	APHA (23rd edition): 2320 B
18	CHEMICAL- POLLUTION & ENVIRONMENT	Effluents/Sewage	Biochemical Oxygen Demand (BOD)	IS 3025 (Part–44)

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19	CHEMICAL- POLLUTION & ENVIRONMENT	Effluents/Sewage	Calcium as Ca	APHA (23rd edition): 3500 Ca B
20	CHEMICAL- POLLUTION & ENVIRONMENT	Effluents/Sewage	Calcium hardness	APHA (23rd edition): 3500 Ca B
21	CHEMICAL- POLLUTION & ENVIRONMENT	Effluents/Sewage	Chloride	APHA (23rd edition): 4500 B
22	CHEMICAL- POLLUTION & ENVIRONMENT	Effluents/Sewage	Colour	APHA (23rd edition):2120 B
23	CHEMICAL- POLLUTION & ENVIRONMENT	Effluents/Sewage	Magnesium as Mg	APHA (23rd edition): 3500 Mg B
24	CHEMICAL- POLLUTION & ENVIRONMENT	Effluents/Sewage	Magnesium hardness	APHA (23rd edition): 3500 Mg B
25	CHEMICAL- POLLUTION & ENVIRONMENT	Effluents/Sewage	pH	IS 3025 (Part – 11)
26	CHEMICAL- POLLUTION & ENVIRONMENT	Effluents/Sewage	Potassium	APHA (23rd edition): 3500-K B
27	CHEMICAL- POLLUTION & ENVIRONMENT	Effluents/Sewage	Sodium	APHA (23rd edition): 3500-Na B
28	CHEMICAL- POLLUTION & ENVIRONMENT	Effluents/Sewage	Temperature	APHA (23rd edition): 2550 B
29	CHEMICAL- POLLUTION & ENVIRONMENT	Effluents/Sewage	Total Dissolved Solids (TDS)	IS 3025 (Part – 16)
30	CHEMICAL- POLLUTION & ENVIRONMENT	Effluents/Sewage	Total hardness	APHA (23rd edition): 2340 C
31	CHEMICAL- POLLUTION & ENVIRONMENT	Effluents/Sewage	Total Solids (TS)	IS 3025 (Part – 15)
32	CHEMICAL- POLLUTION & ENVIRONMENT	Effluents/Sewage	Total suspended solids (TSS)	IS 3025 (Part – 17)
33	CHEMICAL- WATER	Dinking Water	Electrical conductivity	APHA (23rd edition): 2510 B
34	CHEMICAL- WATER	Drinking Water	Biochemical Oxygen Demand (BOD)	IS 3025 (Part–44)
35	CHEMICAL- WATER	Drinking Water	Calcium as Ca	APHA (23rd edition): 3500 Ca B
36	CHEMICAL- WATER	Drinking Water	Calcium hardness	APHA (23rd edition): 3500 Ca B
37	CHEMICAL- WATER	Drinking Water	Chemical Oxygen Demand (COD)	APHA (23rd edition): 5220 B Open reflux Method
38	CHEMICAL- WATER	Drinking Water	Chloride	APHA (23rd edition): 4500 B
39	CHEMICAL- WATER	Drinking Water	Colour	APHA (23rd edition): 2120 B

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40	CHEMICAL- WATER	Drinking Water	Dissolved Oxygen (DO)	IS 3025 (Part – 38)
41	CHEMICAL- WATER	Drinking Water	Magnesium as Mg	APHA (23rd edition): 3500 Mg B
42	CHEMICAL- WATER	Drinking Water	Magnesium hardness	APHA (23rd edition): 3500 Mg B
43	CHEMICAL- WATER	Drinking Water	pH	IS 3025 (Part 11)
44	CHEMICAL- WATER	Drinking Water	Potassium	APHA (23rd edition): 3500-K B
45	CHEMICAL- WATER	Drinking Water	Sodium	APHA (23rd edition): 3500-Na B
46	CHEMICAL- WATER	Drinking Water	Sulphate	APHA (23rd edition):4500 SO4–2E Turbidimetric method
47	CHEMICAL- WATER	Drinking Water	Temperature	APHA (23rd edition): 2550 B
48	CHEMICAL- WATER	Drinking Water	Total Acidity	APAHA (23rd Edition): 2310 B
49	CHEMICAL- WATER	Drinking Water	Total Alklinity	APHA (23rd edition): 2320 B
50	CHEMICAL- WATER	Drinking Water	Total Dissolved Solids (TDS)	IS 3025 (Part – 16)
51	CHEMICAL- WATER	Drinking Water	Total Hardness	APHA (23rd edition): 2340 C
52	CHEMICAL- WATER	Drinking Water	Total Solids (TS)	IS 3025 (Part – 15)
53	CHEMICAL- WATER	Drinking Water	Total suspended solids (TSS)	IS 3025 (Part – 17)
54	CHEMICAL- WATER	Drinking Water	Turbidity	APHA (23rd edition): 2130 B
55	CHEMICAL- WATER	Ground Water / Bore Well Water	Biochemical Oxygen Demand (BOD)	IS 3025 (Part–44)
56	CHEMICAL- WATER	Ground Water / Bore Well Water	Calcium as Ca	APHA (23rd edition): 3500 Ca B
57	CHEMICAL- WATER	Ground Water / Bore Well Water	Calcium hardness	APHA (23rd edition): 3500 Ca B
58	CHEMICAL- WATER	Ground Water / Bore Well Water	Chemical Oxygen Demand (COD)	APHA (23rd edition): 5220 B Open reflux Method
59	CHEMICAL- WATER	Ground Water / Bore Well Water	Chloride	APHA (23rd edition): 4500 B
60	CHEMICAL- WATER	Ground Water / Bore Well Water	Colour	APHA (23rd edition): 2120 B
61	CHEMICAL- WATER	Ground Water / Bore Well Water	Dissolved Oxygen (DO)	IS 3025 (Part – 38)
62	CHEMICAL- WATER	Ground Water / Bore Well Water	Electrical conductivity	APHA (23rd edition): 2510 B
63	CHEMICAL- WATER	Ground Water / Bore Well Water	Magnesium as Mg	APHA (23rd edition): 3500 Mg B
64	CHEMICAL- WATER	Ground Water / Bore Well Water	Magnesium hardness	APHA (23rd edition): 3500 Mg B
65	CHEMICAL- WATER	Ground Water / Bore Well Water	pH	IS 3025 (Part – 11)

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66	CHEMICAL- WATER	Ground Water / Bore Well Water	Potassium	APHA (23rd edition): 3500-K B
67	CHEMICAL- WATER	Ground Water / Bore Well Water	Sodium	APHA (23rd edition): 3500-Na B
68	CHEMICAL- WATER	Ground Water / Bore Well Water	Sulphate	APHA (23rd edition): 4500 SO4–2E Turbidimetric method
69	CHEMICAL- WATER	Ground Water / Bore Well Water	Temperature	APHA (23rd edition): 2550 B
70	CHEMICAL- WATER	Ground Water / Bore Well Water	Total Acidity	APHA (23rd edition): 2310 B
71	CHEMICAL- WATER	Ground Water / Bore Well Water	Total Alkalinity	APHA (23rd edition): 2320 B
72	CHEMICAL- WATER	Ground Water / Bore Well Water	Total Dissolved Solids (TDS)	IS 3025 (Part – 16)
73	CHEMICAL- WATER	Ground Water / Bore Well Water	Total hardness	APHA (23rd edition): 2340 C
74	CHEMICAL- WATER	Ground Water / Bore Well Water	Total Solids (TS)	IS 3025 (Part – 15)
75	CHEMICAL- WATER	Ground Water / Bore Well Water	Total suspended solids (TSS)	IS 3025 (Part – 17)
76	CHEMICAL- WATER	Ground Water / Bore Well Water	Turbidity	APHA (23rd edition): 2130 B
77	CHEMICAL- WATER	Surface Water	Biochemical Oxygen Demand (BOD)	IS 3025 (Part–44)
78	CHEMICAL- WATER	Surface Water	Calcium as Ca	APHA (23rd edition): 3500 Ca B
79	CHEMICAL- WATER	Surface Water	Calcium hardness	APHA9 23rd edition): 3500 Ca B
80	CHEMICAL- WATER	Surface Water	Chemical Oxygen Demand (COD)	APHA (23rd edition): 5220 B Open reflux Method
81	CHEMICAL- WATER	Surface Water	Chloride	APHA (23rd edition): 4500 B
82	CHEMICAL- WATER	Surface Water	Colour	APHA (23rd edition): 2120 B
83	CHEMICAL- WATER	Surface Water	Dissolved Oxygen (DO)	IS 3025 (Part – 38)
84	CHEMICAL- WATER	Surface Water	Electrical conductivity	APHA (23rd edition): 2510 B
85	CHEMICAL- WATER	Surface Water	Magnesium as Mg	APHA (23rd edition): 3500 Mg B
86	CHEMICAL- WATER	Surface Water	Magnesium hardness	APHA (23rd edition): 3500 Mg B
87	CHEMICAL- WATER	Surface Water	pH	IS 3025 (Part – 11)
88	CHEMICAL- WATER	Surface Water	Potassium	APHA (23rd edition): 3500-K B
89	CHEMICAL- WATER	Surface Water	Sodium	APHA (23rd edition): 3500-Na B
90	CHEMICAL- WATER	Surface Water	Sulphate	APHA)23rd edition): 4500 SO4–2E Turbidimetric method
91	CHEMICAL- WATER	Surface Water	Temperature	APHA (23rd edition): 2550 B

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92	CHEMICAL- WATER	Surface Water	Total Acidity	APHA (23rd edition): 2310 B
93	CHEMICAL- WATER	Surface Water	Total Alkalinity	APHA (23rd edition): 2320 B
94	CHEMICAL- WATER	Surface Water	Total Dissolved Solids (TDS)	IS 3025 (Part – 16)
95	CHEMICAL- WATER	Surface Water	Total hardness	APHA (23rd edition): 2340 C
96	CHEMICAL- WATER	Surface Water	Total Solids (TS)	IS 3025 (Part – 15)
97	CHEMICAL- WATER	Surface Water	Total suspended solids (TSS)	IS 3025 (Part – 17)
98	CHEMICAL- WATER	Surface Water	Turbidity	APHA (23rd edition): 2130 B