



National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



SCOPE OF ACCREDITATION

Laboratory Name NATURECARE ENVIRON LAB, 217, 218, 220, PRAGATI ARCADE, PLOT NO.: C/5, 61,62,63, VAPI INA, VALSAD, GUJARAT , INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-8563 Page No. : 1 / 9

Validity 05/07/2019 to 04/07/2021 Last Amended on -

S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
Permanent Facility					
1	CHEMICAL-ATMOSPHERIC POLLUTION	Ambient Air	NO2	IS 5182 (Part 6) (RA 2017): 2006	5 µg/m ³ to 100 µg/m ³
2	CHEMICAL-ATMOSPHERIC POLLUTION	Ambient Air	PM 2.5	NCE/SOP/02 dtd. 01.08.18: 2018	10 µg/m ³ to 200 µg/m ³
3	CHEMICAL-ATMOSPHERIC POLLUTION	Ambient Air	PM10	IS 5182 (Part 23) (RA 2017): 2006	2 µg/m ³ to 500 µg/m ³
4	CHEMICAL-ATMOSPHERIC POLLUTION	Ambient Air	SO2	IS 5182 (Part 2) (RA 2017): 2001	5 µg/m ³ to 100 µg/m ³
5	CHEMICAL-ATMOSPHERIC POLLUTION	Process/ Vent Emissions	NOx	IS 11255 (Part 7) (RA 2017): 2017	5 mg/Nm ³ to 500 mg/Nm ³
6	CHEMICAL-ATMOSPHERIC POLLUTION	Process/ Vent Emissions	Particulate Matter (PM)	IS 11255 (Part 1) (RA 2014): 1985	10 mg/Nm ³ to 2000 mg/Nm ³
7	CHEMICAL-ATMOSPHERIC POLLUTION	Process/ Vent Emissions	SO2	IS 11255 (Part 2) (RA 2017): 1985	5 mg/Nm ³ to 500 mg/Nm ³
8	CHEMICAL-ATMOSPHERIC POLLUTION	Stack Emission	NOx	IS 11255 (Part 7) (RA 2017): 2005	5 mg/Nm ³ to 500 mg/Nm ³
9	CHEMICAL-ATMOSPHERIC POLLUTION	Stack Emission	Particulate Matter (PM)	IS 11255 (Part 1) (RA 2014): 1985	10 mg/Nm ³ to 2000 mg/Nm ³



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10	CHEMICAL-ATMOSPHERIC POLLUTION	Stack Emission	SO ₂	IS 11255 (Part 2) (RA 2017): 1985	5 mg/Nm ³ to 500 mg/Nm ³
11	CHEMICAL-POLLUTION & ENVIRONMENT	Effluent	Ammonical Nitrogen as NH ₃ -N	APHA (23rd Edition), 4500 NH ₃ - B & C: 2017	1 mg/L to 100 mg/L
12	CHEMICAL-POLLUTION & ENVIRONMENT	Effluent	Bio Chemical Oxygen Demand at 27C for 3 days	IS 3025 (Part 44) (RA 2019): 1993	2 mg/L to 50000 mg/L
13	CHEMICAL-POLLUTION & ENVIRONMENT	Effluent	Chemical Oxygen Demand	APHA (23rd Edition) 5220 C: 2017	4 mg/L to 500000 mg/L
14	CHEMICAL-POLLUTION & ENVIRONMENT	Effluent	Chloride as Cl-	APHA (23rd Edition) , 4500 Cl- B: 2017	1 mg/L to 10000 mg/L
15	CHEMICAL-POLLUTION & ENVIRONMENT	Effluent	Copper as Cu	APHA (23rd Edition), 3500 Cu B: 2017	0.1 mg/L to 60 mg/L
16	CHEMICAL-POLLUTION & ENVIRONMENT	Effluent	Dissolved Oxygen	APHA (23rd Edition) , 4500 B&C: 2017	1 mg/L to 10 mg/L
17	CHEMICAL-POLLUTION & ENVIRONMENT	Effluent	Electrical Conductivity	APHA (23rd Edition) , 2510 B: 2017	1 µS/cm to 200 mS/cm
18	CHEMICAL-POLLUTION & ENVIRONMENT	Effluent	Hexavalent Chromium as Cr +6	APHA (23rd Edition) , 3500 Cr B: 2017	0.1 mg/L to 20 mg/L
19	CHEMICAL-POLLUTION & ENVIRONMENT	Effluent	Iron as Fe	APHA (23rd Edition) , 3500 Fe-B: 2017	0.1 mg/L to 50 mg/L



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20	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent	pH	APHA (23rd Edition) , 4500, H+ B: 2017	2 to 12
21	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent	Potassium as K	APHA (23rd Edition) , 3500 K-B: 2017	1 mg/L to 500 mg/L
22	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent	Sodium as Na	APHA (23rd Edition) , 3500 Na-B: 2017	1 mg/L to 1000 mg/L
23	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent	Sulphate as SO4 2-	APHA (23rd Edition), 4500 SO4 2- E: 2017	1 mg/L to 10000 mg/L
24	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent	Total Dissolved Solids	APHA (23rd Edition) , 2540 c: 2017	5 mg/L to 100000 mg/L
25	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent	Total Solids	APHA (23rd Edition), 2540 B: 2017	5 mg/L to 100000 mg/L
26	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent	Total Suspended Solids	APHA (23rd Edition) , 2540 D: 2017	5 mg/L to 1000 mg/L
27	CHEMICAL- WATER	Drinking Water	Acidity as CaCO3	APHA (23rd Edition) , 2310 B: 2017	2 mg/L to 1000 mg/L
28	CHEMICAL- WATER	Drinking Water	Ammonical Nitrogen as NH3-N	APHA (23rd Edition) , 4500-NH3-B, C: 2017	2 mg/L to 25 mg/L
29	CHEMICAL- WATER	Drinking Water	Calcium as Ca	APHA (23rd Edition) , 3500 Ca- B: 2017	2 mg/L to 500 mg/L
30	CHEMICAL- WATER	Drinking Water	Calcium Hardness as CaCO3	APHA (23rd Edition) , 2510B: 2017	4 mg/L to 1000 mg/L



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31	CHEMICAL- WATER	Drinking Water	Chloride as Cl	APHA (23rd Edition) , 4500 Cl-, B: 2017	2 mg/L to 2000 mg/L
32	CHEMICAL- WATER	Drinking Water	Copper	APHA (23rd Edition) , 3500 Cu- B: 2017	0.1 mg/L to 25 mg/L
33	CHEMICAL- WATER	Drinking Water	Disolved Oxygen	APHA (23rd Edition) , 4500 B C: 2017	1 mg/L to 8 mg/L
34	CHEMICAL- WATER	Drinking Water	Electrical Conductivity	APHA (23rd Edition) , 2510 B: 2017	1 µS/cm to 200 mS/cm
35	CHEMICAL- WATER	Drinking Water	Hexavalent Chromium as Cr+6	APHA (23rd Edition) , 3500 Cr-B: 2017	0.1 mg/L to 10 mg/L
36	CHEMICAL- WATER	Drinking Water	Iron as Fe	APHA (23rd Edition), 3500 Fe-B: 2017	0.1 mg/L to 25 mg/L
37	CHEMICAL- WATER	Drinking Water	Magnesium as Mg	APHA (23rd Edition) , 3500 Mg- B: 2017	2 mg/L to 500 mg/L
38	CHEMICAL- WATER	Drinking Water	Magnesium Hardness	APHA (23rd Edition) , 3500 Mg-B: 2017	1 mg/L to 1000 mg/L
39	CHEMICAL- WATER	Drinking Water	pH	APHA(23rd Edition) , 4500 H+ B: 2017	4 to 10
40	CHEMICAL- WATER	Drinking Water	Potassium as K	APHA (23rd Edition) , 3500 K-B: 2017	1 mg/L to 500 mg/L
41	CHEMICAL- WATER	Drinking Water	Sodium as Na	APHA (23rd Edition) , 3500 Na-B: 2017	1 mg/L to 1000 mg/L
42	CHEMICAL- WATER	Drinking Water	Sulphate as SO4	APHA (23rd Edition) , 4500 SO42-: 2017	4 mg/L to 500 mg/L
43	CHEMICAL- WATER	Drinking Water	Total Alkalinity as CaCO3	APHA (23rd Edition) , 2320-B: 2017	2 mg/L to 1000 mg/L
44	CHEMICAL- WATER	Drinking Water	Total Disolved Solids	APHA (23rd Edition) , 2540- C: 2017	2.0 mg/L to 5000 mg/L



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45	CHEMICAL- WATER	Drinking Water	Total Hardness as CaCO ₃	APHA (23rd Edition) , 2340 C: 2017	2 mg/L to 2000 mg/L
46	CHEMICAL- WATER	Drinking Water	Total Solids	APHA (23rd Edition) , 2540 B: 2017	2 mg/L to 5000 mg/L
47	CHEMICAL- WATER	Drinking Water	Total Suspended Solids	APHA (23rd Edition) , 2540-D: 2017	2 mg/L to 500 mg/L
48	CHEMICAL- WATER	Drinking Water	Turbidity	APHA, (23rd Edition) , 2130B: 2017	1 NTU to 100 NTU
49	CHEMICAL- WATER	Ground Water	Acidity as CaCO ₃	APHA (23rd Edition) , 2310 B: 2017	2 mg/L to 1000 mg/L
50	CHEMICAL- WATER	Ground Water	Ammonical Nitrogen as NH ₃ - N	APHA (23rd Edition) , 4500- NH ₃ -B,C: 2017	1 mg/L to 50 mg/L
51	CHEMICAL- WATER	Ground Water	Calcium as Ca	APHA (23rd Edition) , 3540 Ca - B: 2017	2 mg/L to 1000 mg/L
52	CHEMICAL- WATER	Ground Water	Calcium Hardness As CaCO ₃	APHA (23rd Edition) , 3500 Ca B: 2017	2 mg/L to 1000 mg/L
53	CHEMICAL- WATER	Ground Water	Chloride as Cl	APHA (23rd Edition) , 4500 Cl- B: 2017	2 mg/L to 2000 mg/L
54	CHEMICAL- WATER	Ground Water	Copper as Cu	APHA (23rd Edition) , 3500 Cu-B: 2017	0.1 mg/L to 25 mg/L
55	CHEMICAL- WATER	Ground Water	Dissolved Oxygen	APHA (23rd Edition) , 4500-B&C: 2017	1 mg/L to 8 mg/L
56	CHEMICAL- WATER	Ground Water	Electrical Conductivity	APHA(23rd Edition) , 2510-B: 2017	1 µS/cm to 200 mS/cm
57	CHEMICAL- WATER	Ground Water	Hexavalent Chromium Cr+6	APHA (23rd Edition) , 3500 Cr-B: 2017	0.1 mg/L to 10 mg/L
58	CHEMICAL- WATER	Ground Water	Iron as Fe	APHA (23rd Edition) , 3500 Fe-B: 2017	0.1 mg/L to 25 mg/L



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59	CHEMICAL- WATER	Ground Water	Magnesium as Mg	APHA (23rd Edition) , 3500 Mg- B: 2017	4 mg/L to 1000 mg/L
60	CHEMICAL- WATER	Ground Water	Magnesium Hardness	APHA (23rd Edition) , 3500 Mg B: 2017	4 mg/L to 1000 mg/L
61	CHEMICAL- WATER	Ground Water	pH	APHA (23rd Edition) , 4500 H+B: 2017	4 to 10
62	CHEMICAL- WATER	Ground Water	Potassium as K	APHA (23rd Edition) , 3500-K-B: 2017	1 mg/L to 500 mg/L
63	CHEMICAL- WATER	Ground Water	Sodium as Na	APHA (23rd Edition) , 3500 Na-B: 2017	1 mg/L to 1000 mg/L
64	CHEMICAL- WATER	Ground Water	Sulphate as SO ₄ 2-	APHA (23rd Edition) , 4500 SO ₄ 2-: 2017	1 mg/L to 500 mg/L
65	CHEMICAL- WATER	Ground Water	Total Alkalinity as CaCO ₃	APHA (23rd Edition) , 2320 B: 2017	2 mg/L to 1000 mg/L
66	CHEMICAL- WATER	Ground Water	Total Dissolved Solids	APHA (23rd Edition) , 2540 C: 2017	2 mg/L to 8000 mg/L
67	CHEMICAL- WATER	Ground Water	Total Hardness as CaCO ₃	APHA (23rd Edition) , 2340 C: 2017	1 mg/L to 2000 mg/L
68	CHEMICAL- WATER	Ground Water	Total Solids	APHA (23rd Edition) , 2540 B: 2017	2 mg/L to 8000 mg/L
69	CHEMICAL- WATER	Ground Water	Total Suspended Solids	APHA (23rd Edition) , 2540 D: 2017	2 mg/L to 500 mg/L
70	CHEMICAL- WATER	Ground Water	Turbidity	APHA (23rd Edition) , 2130 B: 2017	2 NTU to 200 NTU
71	CHEMICAL- WATER	Industrial Water	Magnesium Hardness	APHA (23rd Edition) , 3500 Mg B: 2017	1 mg/L to 1000 mg/L
72	CHEMICAL- WATER	Industrial Water	Acidity as CaCO ₃	APHA (23rd Edition) , 2310 B: 2017	2 mg/L to 1000 mg/L



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73	CHEMICAL- WATER	Industrial Water	Ammonical Nitrogen as NH ₃ -N	APHA (23rd Edition) , 4500 NH ₃ B,C: 2017	2 mg/L to 100 mg/L
74	CHEMICAL- WATER	Industrial Water	Calcium as Ca	APHA (23rd Edition) , 3500 Ca-B: 2017	4 mg/L to 1000 mg/L
75	CHEMICAL- WATER	Industrial Water	Calcium Hardness as CaCO ₃	APHA (23rd Edition) , 3500 Ca B: 2017	14 mg/L to 1000 mg/L
76	CHEMICAL- WATER	Industrial Water	Chloride as Cl	APHA (23rd Edition) , 4500 Cl-B: 2017	2 mg/L to 2000 mg/L
77	CHEMICAL- WATER	Industrial Water	Copper as Cu	APHA (23rd Edition) , 3500 Cu-B: 2017	0.1 mg/L to 25 mg/L
78	CHEMICAL- WATER	Industrial Water	Dissolved oxygen	APHA (23rd Edition), 4500 B&C: 2017	1 mg/L to 8 mg/L
79	CHEMICAL- WATER	Industrial Water	Electrical Conductivity	APHA (23rd Edition) 2510 B: 2017	1 µS/cm to 200 mS/cm
80	CHEMICAL- WATER	Industrial Water	Hexavalent Chromium as Cr+6	APHA (23rd Edition) , 3500 Cr B: 2017	0.1 mg/L to 10 mg/L
81	CHEMICAL- WATER	Industrial Water	Iron as Fe	APHA(23rd Edition) , 3500 Fe -B: 2017	0.1 mg/L to 25 mg/L
82	CHEMICAL- WATER	Industrial Water	Magnesium as Mg	APHA (23rd Edition) , 3500 Mg-B: 2017	4 mg/L to 1000 mg/L
83	CHEMICAL- WATER	Industrial Water	pH	APHA (23rd Edition) ,4500 H+ B: 2017	2 to 12
84	CHEMICAL- WATER	Industrial Water	Potassium as K	APHA (23rd Edition) 2017, 3500 K- B: 2017	2 mg/L to 500 mg/L
85	CHEMICAL- WATER	Industrial Water	Sodium as Na	APHA(23rd Edition) , 3500 Na- B: 2017	1 mg/L to 1000 mg/L
86	CHEMICAL- WATER	Industrial Water	Sulphate as SO ₄ 2-	APHA (23rd Edition) , 4500 SO ₄ 2-: 2017	1 mg/L to 500 mg/L



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87	CHEMICAL- WATER	Industrial Water	Total Alkalinity as CaCO ₃	APHA (23rd Edition) , 2320 B: 2017	2 mg/L to 1000 mg/L
88	CHEMICAL- WATER	Industrial Water	Total Dissolved Solids	APHA (23rd Edition), 2540-C: 2017	5 mg/L to 10000 mg/L
89	CHEMICAL- WATER	Industrial Water	Total Hardness as CaCO ₃	IS 3025 (PART 21) (Ra 2014): 2009	4 mg/L to 2000 mg/L
90	CHEMICAL- WATER	Industrial Water	Total Solids	APHA (23rd Edition) , 2540 B: 2017	2 mg/L to 10000 mg/L
91	CHEMICAL- WATER	Industrial Water	Total Suspended Solids	APHA (23rd Edition), 2540 D: 2017	2 mg/L to 1000 mg/L
92	CHEMICAL- WATER	Industrial Water	Turbidity	APHA (23rd Edition), 2130-B: 2017	1 NTU to 500 NTU
93	CHEMICAL- WATER	Surface Water	Ammonical Nitrogen as NH ₃ -N	APHA (23rd Edition), 4500 NH ₃ -B, C: 2017	1 mg/L to 100 mg/L
94	CHEMICAL- WATER	Surface Water	Calcium as Ca	APHA (23rd Edition), 3500 Ca-B: 2017	2 mg/L to 1000 mg/L
95	CHEMICAL- WATER	Surface Water	Calcium Hardness as CaCO ₃	APHA (23rd Edition), 3500 Ca B: 2017	2 mg/L to 1000 mg/L
96	CHEMICAL- WATER	Surface Water	Chloride as Cl	APHA (23rd Edition), 4500 Cl- B: 2017	2 mg/L to 2000 mg/L
97	CHEMICAL- WATER	Surface Water	Copper as Cu	APHA (23rd Edition), 3500 Cu-B: 2017	0.1 mg/L to 25 mg/L
98	CHEMICAL- WATER	Surface Water	Dissolved Oxygen	APHA (23rd Edition), 4500 B& C: 2017	1 mg/L to 8 mg/L
99	CHEMICAL- WATER	Surface Water	Electrical Conductivity	APHA (23rd Edition), 2510-B: 2017	1 µS/cm to 200 mS/cm
100	CHEMICAL- WATER	Surface Water	Hexavalent Chromium as Cr+6	APHA (23rd Edition), 3500 Cr B: 2017	0.1 mg/L to 20 mg/L



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101	CHEMICAL- WATER	Surface Water	Iron as Fe	APHA (23rd Edition), 3500 Fe-B: 2017	0.1 to 25
102	CHEMICAL- WATER	Surface Water	Magnesium as Mg	APHA (23rd Edition), 3500 Mg-B: 2017	1 mg/L to 1000 mg/L
103	CHEMICAL- WATER	Surface Water	Magnesium Hardness	APHA (23rd Edition), 3500 Mg B: 2017	1 mg/L to 1000 mg/L
104	CHEMICAL- WATER	Surface Water	pH	APHA (23rd Edition), 4500 H+ B: 2017	2 to 12
105	CHEMICAL- WATER	Surface Water	Potassium as K	APHA (23rd Edition), 3500-K B: 2017	1 mg/L to 500 mg/L
106	CHEMICAL- WATER	Surface Water	Sodium as Na	APHA (23rd Edition), 3500 Na-B: 2017	1 mg/L to 1000 mg/L
107	CHEMICAL- WATER	Surface Water	Sulphate as SO42-	APHA (23rd Edition) , 4500 SO4 2-: 2017	1 mg/L to 500 mg/L
108	CHEMICAL- WATER	Surface Water	Total Alkalinity as CaCO3	APHA (23rd Edition), 2320 B: 2017	2 mg/L to 1000 mg/L
109	CHEMICAL- WATER	Surface Water	Total Dissolved Solids	APHA (23rd Edition), 2540-C: 2017	2 mg/L to 10000 mg/L
110	CHEMICAL- WATER	Surface Water	Total Hardness as CaCO3	APHA (23rd Edition), 2340-C: 2017	4 mg/L to 2000 mg/L
111	CHEMICAL- WATER	Surface Water	Total Solids	APHA (23rd Edition), 2540-B: 2017	2 mg/L to 10000 mg/L
112	CHEMICAL- WATER	Surface Water	Total Suspended Solids	APHA (23rd Edition), 2540-D: 2017	2 mg/L to 1000 mg/L
113	CHEMICAL- WATER	Surface Water	Turbidity	APHA (23rd Edition), 2130-B: 2017	1 NTU to 500 NTU