



National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



SCOPE OF ACCREDITATION

Laboratory Name	LABORATORY DEPARTMENT, RINA ENVIRO CARE, C-306/307, AAGAM SHOPPING WORLD, VESU, SURAT, GUJARAT, INDIA		
Accreditation Standard	ISO/IEC 17025:2005		
Certificate Number	TC-8327	Page No. :	1 / 16
Validity	12/02/2019 to 11/02/2021	Last Amended on	-

'In view of the transition deadline for ISO/IEC 17025:2017, the validity of this accreditation certificate will cease on 30.11.2020.'

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	Oxides of Nitrogen (as NO ₂)	IS: 5182 (Part - 6) (Reaffirmed - 2013): 2006	5 µg/Nm ³ to 750 µg/Nm ³
2	CHEMICAL-ATMOSPHERIC POLLUTION	Ambient Air	Particulate Matter (Size less than 2.5 µm) or PM _{2.5} µg/Nm ³	Guidelines for Manual Sampling & Analysis Vol.I (May-2011): CPCB (MoEF, Govt. of India) Contents Sr. No. (4), Pg. no.15-30 & Operation Manual (Using Fine Particulate Machine) Gravimetric Method: 2011	10 µg/Nm ³ to 500 µg/Nm ³
3	CHEMICAL-ATMOSPHERIC POLLUTION	Ambient Air	Respirable Suspended Particulate Matter (RSPM) (PM ₁₀)	IS: 5182 (Part - 23) (Reaffirmed - 2017): 2006	10 µg/Nm ³ to 1000 µg/Nm ³
4	CHEMICAL-ATMOSPHERIC POLLUTION	Ambient Air	Sulphur Dioxide (as SO ₂)	IS:5182 (Part - 2) (Reaffirmed - 2017): 2001	12 µg/Nm ³ to 1050 µg/Nm ³
5	CHEMICAL-ATMOSPHERIC POLLUTION	Stack Emission	Oxides of Nitrogen (as NO ₂)	IS: 11255 (Part - 7) (Reaffirmed - 2017): 2005	9 mg/Nm ³ to 500 mg/Nm ³
6	CHEMICAL-ATMOSPHERIC POLLUTION	Stack Emission	Particulate Matter (PM)	IS: 11255 (Part - 1) (Reaffirmed - 2014): 1985	4 mg/Nm ³ to 2000 mg/Nm ³
7	CHEMICAL-ATMOSPHERIC POLLUTION	Stack Emission	Sulphur Dioxide (as SO ₂)	IS: 11255 (Part - 2)(Reaffirmed - 2014): 1985	2.6 mg/Nm ³ to 100 mg/Nm ³



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8	CHEMICAL-POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Acidity (as CaCO ₃)	IS: 3025 (Part - 22)(Reaffirmed - 2014): 1986	2 mg/L to 5000 mg/L
9	CHEMICAL-POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Alkalinity (as CaCO ₃)	IS: 3025 (Part - 23) (Reaffirmed - 2014) : 1986	2 mg/L to 5000 mg/L
10	CHEMICAL-POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Biochemical Oxygen Demand	IS: 3025 (Part - 44) (Reaffirmed - 2014): 1993	2 mg/L to 25000 mg/L
11	CHEMICAL-POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Calcium (as Ca ⁺²)	APHA 23rd Ed. 3500 Ca – B: 2017	2 mg/L to 1000 mg/L
12	CHEMICAL-POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Chemical Oxygen Demand	APHA 23rd Ed. 5220 B: 2017	10 mg/L to 50000 mg/L
13	CHEMICAL-POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Chloride (as Cl ⁻)	IS: 3025 (Part - 32) (Reaffirmed - 2014) : 1988	5 mg/L to 10000 mg/L
14	CHEMICAL-POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Color	APHA 23rd Ed. 2120 B. 2 - 6: 2017	Qualitative
15	CHEMICAL-POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Dissolved Oxygen	IS: 3025 (Part - 38) (Reaffirmed - 2014) : 1989	0.1 mg/L to 8.5 mg/L
16	CHEMICAL-POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Electrical Conductivity	IS: 3025 (Part -14) (Reaffirmed - 2013) : 1984	0.002 mS/cm to 100 mS/cm



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17	CHEMICAL-POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Fixed Residue (Total filterable and Non-filterable)	IS: 3025 (Part - 18)(Reaffirmed -2017): 1984	10 mg/L to 10000 mg/L
18	CHEMICAL-POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Magnesium (as Mg+2)	APHA 23rdEd. 3500 Mg - B: 2017	2 mg/L to 1000 mg/L
19	CHEMICAL-POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Nitrite Nitrogen (as NO ₂ --N)	APHA 23rdEd. 4500 - NO ₂ -- B: 2017	0.05 mg/L to 200 mg/L
20	CHEMICAL-POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Nitrogen (Ammonia) (as NH ₃ -N)	APHA 23rd Ed. 4500 - NH ₃ - C: 2017	0.2 mg/l to 1000 mg/l
21	CHEMICAL-POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Oil & Grease	IS: 3025 (Part - 39)(Reaffirmed -2014): 1991	2 mg/L to 50 mg/L
22	CHEMICAL-POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Ortho Phosphate (as PO ₄ -3)	APHA 23rd Ed. 4500 P-D: 2017	0.05 mg/L to 50 mg/L
23	CHEMICAL-POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	pH Value	IS: 3025 (Part - 11) (Reaffirmed -2017): 1983	2.0 to 12.0
24	CHEMICAL-POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Sulphates (as SO ₄ -2)	APHA 23rd Ed.-4500-SO ₄ 2--E: 2017	5 mg/L to 2000 mg/L
25	CHEMICAL-POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Sulphides (as S-2)	APHA 23rd Ed. 4500 - S-2- F: 2017	2 mg/L to 100 mg/L



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35	CHEMICAL- WATER	Drinking Water	Alkalinity (as CaCO ₃)	IS: 3025 (Part - 23) (Reaffirmed - 2014) : 1986	2.0 mg/L to 1000.0 mg/L
36	CHEMICAL- WATER	Drinking Water	Calcium (as Ca ⁺²)	APHA 23rd Ed. 3500 Ca - B: 2017	2.0 mg/L to 600.0 mg/L
37	CHEMICAL- WATER	Drinking Water	Carbonate (as CO ₃ ⁻²) & Bicarbonate (as HCO ₃ ⁻)	IS: 3025 (Part - 51) (Reaffirmed - 2017): 2001	10.0 mg/L to 1000.0 mg/L
38	CHEMICAL- WATER	Drinking Water	Chloride (as Cl ⁻)	IS: 3025 (Part - 32) (Reaffirmed - 2014) : 1988	5.0 mg/L to 1000.0 mg/L
39	CHEMICAL- WATER	Drinking Water	Color	APHA 23rd Ed. 2120 B: 2017	Qualitative
40	CHEMICAL- WATER	Drinking Water	Dissolved Oxygen	IS: 3025 (Part - 38) (Reaffirmed - 2014): 1989	0.1 mg/L to 8.5 mg/L
41	CHEMICAL- WATER	Drinking Water	Electrical Conductivity	IS: 3025 (Part -14) (Reaffirmed - 2013) : 1984	0.002 mS/cm to 100 mS/cm
42	CHEMICAL- WATER	Drinking Water	Fixed Residue (Total filterable and Non-filterable)	IS: 3025 (Part - 18) (Reaffirmed -2017): 1984	10 mg/L to 1000 mg/L
43	CHEMICAL- WATER	Drinking Water	Magnesium (as Mg ⁺²)	APHA 23rd Ed. 3500 Mg - B: 2017	2.0 mg/L to 250.0 mg/L
44	CHEMICAL- WATER	Drinking Water	Nitrite Nitrogen (as NO ₂ -N)	APHA 23rd Ed. 4500 - NO ₂ - B: 2017	0.05 mg/L to 100.0 mg/L
45	CHEMICAL- WATER	Drinking Water	Nitrogen (Ammonia) (as NH ₃ -N)	APHA 23rd Ed. 4500 - NH ₃ -C: 2017	0.5 mg/L to 200.0 mg/L

This is annexure to 'Certificate of Accreditation' and does not require any signature.



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46	CHEMICAL- WATER	Drinking Water	Oil & Grease	IS: 3025 (Part - 39) (Reaffirmed -2003): 1991	2 mg/L to 50 mg/L
47	CHEMICAL- WATER	Drinking Water	Ortho Phosphate (as PO4-3)	APHA 23rd Ed. 4500 P-D: 2017	0.05 mg/L to 50.0 mg/L
48	CHEMICAL- WATER	Drinking Water	pH Value	IS: 3025 (Part -11) (Reaffirmed -2017): 1983	2.0 to 12.0
49	CHEMICAL- WATER	Drinking Water	Sulphates (as SO4-2)	APHA 23rd Ed.-4500- SO42--E: 2017	5.0 mg/L to 600.0 mg/L
50	CHEMICAL- WATER	Drinking Water	Sulphides (as S-2)	APHA 23rd Ed. 4500 – S-2- F: 2017	2.0 mg/L to 50.0 mg/L
51	CHEMICAL- WATER	Drinking Water	Temperature	IS: 3025 (Part - 9) (Reaffirmed -2017) : 1984	20.0 °C to 50.0 °C
52	CHEMICAL- WATER	Drinking Water	Total Dissolved Solids (Filterable Residue)	IS: 3025 (Part - 16) (Reaffirmed -2017): 1984	10.0 mg/L to 5000.0 mg/L
53	CHEMICAL- WATER	Drinking Water	Total Hardness (as CaCO3)	IS:3025(Part-21) (Reaffirmed -2014): 2009	2.0 mg/L to 1000.0 mg/L
54	CHEMICAL- WATER	Drinking Water	Total Phosphorus (as P)	APHA 23rd Ed. 4500 P-E: 2017	0.05 mg/L to 50.0 mg/L
55	CHEMICAL- WATER	Drinking Water	Total Suspended Solids (Non-Filterable Residue)	IS: 3025 (Part - 17) (Reaffirmed -2017): 1984	10.0 mg/L to 5000.0 mg/L
56	CHEMICAL- WATER	Drinking Water	Turbidity	IS: 3025 (Part -10) (Reaffirmed -2017): 1984	2.0 NTU to 1000.0 NTU



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57	CHEMICAL- WATER	Drinking Water	Volatile Residue (Total filterable and Non-filterable)	IS: 3025 (Part - 18) (Reaffirmed -2017): 1984	10 mg/L to 1000 mg/L
58	CHEMICAL- WATER	Ground Water	Acidity (as CaCO ₃)	IS: 3025 (Part - 22) (Reaffirmed - 2014): 1986	2.0 mg/L to 1000.0 mg/L
59	CHEMICAL- WATER	Ground Water	Alkalinity (as CaCO ₃)	IS: 3025 (Part - 23) (Reaffirmed - 2014): 1986	2.0 mg/L to 1000.0 mg/L
60	CHEMICAL- WATER	Ground Water	Biochemical Oxygen Demand	IS: 3025 (Part - 44)(Reaffirmed - 2014): 1993	2.0 mg/L to 200.0 mg/L
61	CHEMICAL- WATER	Ground Water	Calcium (as Ca ⁺²)	APHA 23rd Ed. 3500 Ca – B: 2017	2.0 mg/L to 600.0 mg/L
62	CHEMICAL- WATER	Ground Water	Carbonate (as CO ₃ ⁻²) & Bicarbonate (as HCO ₃ ⁻)	IS: 3025 (Part - 51) (Reaffirmed - 2017): 2001	10.0 mg/L to 1000.0 mg/L
63	CHEMICAL- WATER	Ground Water	Chemical Oxygen Demand	APHA 23rdEd. 5220 B: 2017	4.0 mg/L to 200.0 mg/L
64	CHEMICAL- WATER	Ground Water	Chloride (as Cl ⁻)	IS: 3025 (Part - 32) (Reaffirmed - 2014): 1988	5.0 mg/L to 1000.0 mg/L
65	CHEMICAL- WATER	Ground Water	Color	APHA 23rd Ed. 2120 B: 2017	Qualitative
66	CHEMICAL- WATER	Ground Water	Dissolved Oxygen	IS: 3025 (Part - 38) (Reaffirmed - 2014): 1989	0.1 mg/L to 8.5 mg/L



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67	CHEMICAL- WATER	Ground Water	Electrical Conductivity	IS: 3025 (Part -14) (Reaffirmed - 2013) : 1984	0.002 mS/cm to 100.0 mS/cm
68	CHEMICAL- WATER	Ground Water	Fixed Residue (Total filterable and Non-filterable)	IS: 3025 (Part - 18) (Reaffirmed -2017): 1984	10 mg/L to 1000 mg/L
69	CHEMICAL- WATER	Ground Water	Magnesium (as Mg+2)	APHA 23rdEd. 3500 Mg - B: 2017	2.0 mg/L to 250.0 mg/L
70	CHEMICAL- WATER	Ground Water	Nitrite Nitrogen (as NO ₂ --N)	APHA 23rd Ed. 4500 – NO ₂ -- B: 2017	0.05 mg/L to 100.0 mg/L
71	CHEMICAL- WATER	Ground Water	Nitrogen (Ammonia) (as NH ₃ -N)	APHA 23rd Ed. 4500 – NH ₃ -C: 2017	0.5 mg/L to 200.0 mg/L
72	CHEMICAL- WATER	Ground Water	Oil & Grease	IS: 3025 (Part – 39) (Reaffirmed -2003): 1991	2 mg/L to 50 mg/L
73	CHEMICAL- WATER	Ground Water	Ortho Phosphate (as PO ₄ -3)	APHA 23rd Ed. 4500 P-D: 2017	0.05 mg/L to 50.0 mg/L
74	CHEMICAL- WATER	Ground Water	pH Value	IS: 3025 (Part –11) (Reaffirmed -2017): 1983	2.0 to 12.0
75	CHEMICAL- WATER	Ground Water	Sulphates (as SO ₄ -2)	APHA 23rd Ed.-4500- SO ₄ -2-E: 2017	5.0 mg/L to 600.0 mg/L
76	CHEMICAL- WATER	Ground Water	Sulphides (as S-2)	APHA 23rd Ed. 4500 – S-2- F: 2017	2 mg/L to 50.0 mg/L
77	CHEMICAL- WATER	Ground Water	Temperature	IS: 3025 (Part –9) (Reaffirmed -2017): 1984	20.0 oC to 50.0 oC



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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
141	CHEMICAL- WATER	Water from purifiers	Chloride (as Cl-)	IS: 3025 (Part -32) (Reaffirmed - 2014): 1988	5.0 mg/L to 1000.0 mg/L
142	CHEMICAL- WATER	Water from purifiers	Color	APHA 23rd Ed. 2120 B: 2017	Qualitative
143	CHEMICAL- WATER	Water From Purifiers	Dissolved Oxygen	IS: 3025 (Part -38) (Reaffirmed - 2014): 1989	0.1 mg/L to 8.5 mg/L
144	CHEMICAL- WATER	Water from purifiers	Electrical Conductivity	IS: 3025 (Part -14)(Reaffirmed - 2013): 1984	0.002 mS/cm to 100.0 mS/cm
145	CHEMICAL- WATER	Water From Purifiers	Fixed Residue (Total filterable and Non-filterable)	IS: 3025 (Part - 18)(Reaffirmed - 2017): 1984	10 mg/L to 1000 mg/L
146	CHEMICAL- WATER	Water From Purifiers	Magnesium (as Mg+2)	APHA 23rdEd. 3500 Mg - B: 2017	2 mg/L to 250 mg/L
147	CHEMICAL- WATER	Water From Purifiers	Nitrite Nitrogen (as NO ₂ --N)	APHA 23rd Ed. 4500 - NO ₂ -- B: 2017	0.05 mg/L to 100 mg/L
148	CHEMICAL- WATER	Water From Purifiers	Nitrogen (Ammonia) (as NH ₃ -N)	APHA 23rd Ed. 4500 - NH ₃ -C: 2017	0.5 mg/L to 200 mg/L
149	CHEMICAL- WATER	Water From Purifiers	Oil & Grease	IS: 3025 (Part - 39)(Reaffirmed -2003): 1991	2 mg/L to 50 mg/L
150	CHEMICAL- WATER	Water From Purifiers	Ortho Phosphate (as PO ₄ -3)	APHA 23rd Ed. 4500 P-D: 2017	0.05 mg/L to 50 mg/L
151	CHEMICAL- WATER	Water from purifiers	pH Value	IS: 3025 (Part -11) (Reaffirmed -2017): 1983	2.0 to 12.0

