National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : LABORATORY DEPARTMENT, RINA ENVIRO CARE, C-305,306 AAGAM SHOPPING WORLD, SURAT, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

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Validity 31/01/2023 to 30/01/2025 **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	Oxides of Nitrogen (as NO2)	IS: 5182 (Part – 6)
3	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Ozone	IS 5182 (PART 9)
4	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Particulate Matter (Size less than 2.5 µm) or PM 2.5	IS: 5182 (Part - 24)
5	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Respirable Suspended Particulate Matter (RSPM) (PM10)	IS: 5182 (Part - 23)
6	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Sulphur Dioxide (as SO2)	IS:5182(Part - 2)
7	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Noise Level (Excluding Vibration)	Ambient Noise Level Measurement	IS: 9989
8	CHEMICAL- ATMOSPHERIC POLLUTION	Process/Vent Emission	Oxides of Nitrogen (as NO2)	IS: 11255 (Part - 7)
9	CHEMICAL- ATMOSPHERIC POLLUTION	Process/Vent Emission	Particulate Matter (PM)	IS: 11255 (Part - 1)
10	CHEMICAL- ATMOSPHERIC POLLUTION	Process/Vent Emission	Sulphur Dioxide (as SO2)	IS: 11255 (Part - 2)
11	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Oxides of Nitrogen (as NO2)	IS: 11255 (Part - 7)
12	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Particulate Matter (PM)	IS: 11255 (Part - 1)
13	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Sulphur Dioxide (as SO2)	IS: 11255 (Part - 2)
14	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediment	Bulk Density and Pore Space	Handbook of methods in environmental studies.Vol.2: Air, Noise, Soil and Overburden Analysis, Edition: 2011, S.K. Maiti-11.16, pg no.151 & 152.
15	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Available Phosphorous	Handbook of methods Manual - Soil Testing in India (Ministry of Agriculture Govt. of India) (Page No. 95-98)
16	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Electrical Conductivity and Salinity	IS 14767

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17	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Exchangeable Calcium	Handbook of methods Manual - Soil Testing in India (Ministry of Agriculture Govt. of India) (Page No. 102-105) (EDTA Titrimetric Method)
18	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Exchangeable Calcium + Magnesium	Handbook of methods Manual - Soil Testing in India (Ministry of Agriculture Govt. of India) (Page No. 102-105) (EDTA Titrimetric Method)
19	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Exchangeable Magnesium	Handbook of methods Manual - Soil Testing in India (Ministry of Agriculture Govt. of India) (Page No. 102-105) (EDTA Titrimetric Method)
20	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Moisture Content	IS 2720 (Part-2)
21	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Organic Carbon	IS 2720 (Part-22)
22	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Organic matter	IS 2720 (Part-22)
23	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	pH	IS 2720 (Part-26)
24	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Total Nitrogen	IS 14684
25	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Total Soluble Sulphate	IS 2720 (Part 27)
26	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Water Holding Capacity	Handbook of methods in environmental studies.Vol.2: Air, Noise, Soil and Overburden Analysis, Edition: 2011, S.K. Maiti-11.16, pg no.155 & 156.
27	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Acidity (as CaCO3)	IS: 3025 (Part - 22)
28	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Alkalinity (as CaCO3)	IS: 3025 (Part –23)
29	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Biochemical Oxygen Demand	IS: 3025 (Part –44)
30	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Calcium (as Ca+2)	APHA & AWWA 23rd Ed. 3500 Ca – B. 3 – 69 EDTA –Titrimetric

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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
31	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Chemical Oxygen Demand	APHA & AWWA 23rd Ed. 5220 B. 5- 18 Open Reflux Method
32	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Chloride (as Cl-)	IS: 3025 (Part –32)
33	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Color	APHA & AWWA 23rd Ed. 2120 B. 2 - 6 Visual comparison Method
34	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Dissolved Oxygen	IS: 3025 (Part –38)
35	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Electrical Conductivity	IS: 3025 (Part –14)
36	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Fixed Residue (Total filterable and Non-filterable)	IS: 3025 (Part – 18)
37	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Hexavalent Chromium (as Cr+6)	Standard Methods – APHA & AWWA 23rd Ed 3500 –Cr- B.3-71. Colorimetric Method
38	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Iron (as Fe)	IS: 3025 (Part – 53)
39	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Magnesium (as Mg+2)	APHA & AWWA 23rdEd. 3500 Mg - B. 3 – 86 Calculation Method
40	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Nickel (as Ni)	IS: 3025 (Part –54)
41	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Nitrate Nitrogen (as NO3--N)	APHA & AWWA 23rd Ed. 4500 – NO3-- B.4-127 Ultraviolet Spectrophotometric Screening Method
42	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Nitrite Nitrogen (as NO2--N)	APHA & AWWA 23rd Ed. 4500 – NO2-- B.4-124 Colorimetric Method
43	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Nitrogen (Ammonia) (as NH3-N)	APHA & AWWA 23rd Ed. 4500 – NH3-B & C.4 – 114, 115,116 Titrimetric Method
44	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Oil & Grease	IS: 3025 (Part – 39)
45	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Ortho Phosphate (as PO4-3)	APHA & AWWA 23rd Ed. 4500 P-B. (5)-4-161 & P-D.4-163 Stannous Chloride Method
46	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	pH	IS: 3025 (Part –11)

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47	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Phenols (as C6H5OH)	Standard Methods – APHA & AWWA 23rd Ed. 5530-B.5-49 & D.5-51. Cleanup Procedure & Direct Photometric Method
48	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Sulphates (as SO4-2)	APHA & AWWA 23nd Ed.-4500-SO42--E. 4-199 (Turbidimetric Method)
49	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Sulphides (as S-2)	APHA & AWWA 23rd Ed. 4500 – S-2- F.4-187 Iodometric Method
50	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Temperature	IS: 3025 (Part –9)
51	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Total Dissolved Solids (Filterable Residue)	IS: 3025 (Part – 16)
52	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Total Hardness (as CaCO3)	IS:3025(Part-21)
53	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Total Phosphorus (as P)	APHA & AWWA 23rd Ed.4500 P-B. (5)-4-161 & P-E. 4 – 164 Persulfate Digestion Method & Ascorbic Acid Method
54	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Total Solids (Dissolved & Suspended) (Total Residue)	IS: 3025 (Part – 15)
55	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Total Suspended Solids (Non-Filterable Residue)	IS: 3025 (Part – 17)
56	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Turbidity	IS: 3025 (Part –10)
57	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Volatile Residue (Total filterable and Non-filterable)	IS: 3025 (Part – 18)
58	CHEMICAL- WATER	Drinking Water	Acidity (as CaCO3)	IS: 3025 (Part - 22)
59	CHEMICAL- WATER	Drinking Water	Alkalinity (as CaCO3)	IS: 3025 (Part –23)
60	CHEMICAL- WATER	Drinking Water	Biochemical Oxygen Demand	IS: 3025 (Part –44)
61	CHEMICAL- WATER	Drinking Water	Calcium (as Ca+2)	APHA & AWWA 23rd Ed. 3500 Ca – B. 3 – 69 EDTA –Titrimetric
62	CHEMICAL- WATER	Drinking Water	Carbonate (as CO3-2) & Bicarbonate (as HCO3-)	IS: 3025 (Part –51)
63	CHEMICAL- WATER	Drinking Water	Chemical Oxygen Demand	APHA & AWWA 23rd Ed. 5220 B. 5- 18 Open Reflux Method
64	CHEMICAL- WATER	Drinking Water	Chloride (as Cl-)	IS: 3025 (Part –32)

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65	CHEMICAL- WATER	Drinking Water	Color	APHA & AWWA 23rd Ed. 2120 B. 2 - 6 Visual comparison Method
66	CHEMICAL- WATER	Drinking Water	Dissolved Oxygen	IS: 3025 (Part –38)
67	CHEMICAL- WATER	Drinking Water	Electrical Conductivity	IS: 3025 (Part –14)
68	CHEMICAL- WATER	Drinking Water	Fixed Residue (Total filterable and Non-filterable)	IS: 3025 (Part – 18)
69	CHEMICAL- WATER	Drinking Water	Hexavalent Chromium (as Cr+6)	Standard Methods – APHA & AWWA 23rd Ed 3500 –Cr- B.3-71. Colorimetric Method
70	CHEMICAL- WATER	Drinking Water	Iron (as Fe)	IS: 3025 (Part – 53)
71	CHEMICAL- WATER	Drinking Water	Magnesium (as Mg+2)	APHA & AWWA 23rdEd. 3500 Mg - B. 3 – 86 Calculation Method
72	CHEMICAL- WATER	Drinking Water	Nickel (as Ni)	IS: 3025 (Part –54)
73	CHEMICAL- WATER	Drinking Water	Nitrate Nitrogen (as NO3--N)	APHA & AWWA 23rd Ed. 4500 – NO3-- B.4-127 Ultraviolet Spectrophotometric Screening Method
74	CHEMICAL- WATER	Drinking Water	Nitrite Nitrogen (as NO2--N)	APHA & AWWA 23rd Ed. 4500 – NO2-- B.4-124 Colorimetric Method
75	CHEMICAL- WATER	Drinking Water	Nitrogen (Ammonia) (as NH3-N)	APHA & AWWA 23rd Ed. 4500 – NH3-B & C.4 – 114, 115,116 Titrimetric Method
76	CHEMICAL- WATER	Drinking Water	Odour	IS 3025 (PART-5)
77	CHEMICAL- WATER	Drinking Water	Oil & Grease	IS: 3025 (Part – 39)
78	CHEMICAL- WATER	Drinking Water	Ortho Phosphate (as PO4-3)	APHA & AWWA 23rd Ed. 4500 P-B. (5)-4-161 & P-D.4-163 Stannous Chloride Method
79	CHEMICAL- WATER	Drinking Water	pH	IS: 3025 (Part –11)
80	CHEMICAL- WATER	Drinking Water	Phenols (as C6H5OH)	Standard Methods – APHA & AWWA 23rd Ed. 5530-B.5-49 & D.5-51. Cleanup Procedure & Direct Photometric Method
81	CHEMICAL- WATER	Drinking Water	Sulphates(as SO4-2)	APHA & AWWA 23nd Ed.-4500-SO42--E. 4-199 (Turbidimetric Method)

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82	CHEMICAL- WATER	Drinking Water	Sulphides (as S-2)	APHA & AWWA 23rd Ed. 4500 – S-2- F.4-187 Iodometric Method
83	CHEMICAL- WATER	Drinking Water	Taste	IS 3025 (PART-8)
84	CHEMICAL- WATER	Drinking Water	Temperature	IS: 3025 (Part –9)
85	CHEMICAL- WATER	Drinking Water	Total Dissolved Solids (Filterable Residue)	IS: 3025 (Part – 16)
86	CHEMICAL- WATER	Drinking Water	Total Hardness (as CaCO3)	IS:3025(Part-21)
87	CHEMICAL- WATER	Drinking Water	Total Phosphorus (as P)	APHA & AWWA 23rd Ed.4500 P-B. (5)-4-161 & P-E. 4 – 164 Persulfate Digestion Method & Ascorbic Acid Method
88	CHEMICAL- WATER	Drinking Water	Total Solids (Dissolved & Suspended) (Total Residue)	IS: 3025 (Part – 15)
89	CHEMICAL- WATER	Drinking Water	Total Suspended Solids (Non-Filterable Residue)	IS: 3025 (Part – 17)
90	CHEMICAL- WATER	Drinking Water	Turbidity	IS: 3025 (Part –10)
91	CHEMICAL- WATER	Drinking Water	Volatile Residue (Total filterable and Non-filterable)	IS: 3025 (Part – 18)
92	CHEMICAL- WATER	Ground Water	Acidity (as CaCO3)	IS: 3025 (Part - 22)
93	CHEMICAL- WATER	Ground Water	Alkalinity (as CaCO3)	IS: 3025 (Part –23)
94	CHEMICAL- WATER	Ground Water	Biochemical Oxygen Demand	IS: 3025 (Part –44)
95	CHEMICAL- WATER	Ground Water	Calcium (as Ca+2)	APHA & AWWA 23rd Ed. 3500 Ca – B. 3 – 69 EDTA –Titrimetric
96	CHEMICAL- WATER	Ground Water	Carbonate (as CO3-2) & Bicarbonate (as HCO3-)	IS: 3025 (Part –51)
97	CHEMICAL- WATER	Ground Water	Chemical Oxygen Demand	APHA & AWWA 23rd Ed. 5220 B. 5- 18 Open Reflux Method
98	CHEMICAL- WATER	Ground Water	Chloride (as Cl-)	IS: 3025 (Part –32)
99	CHEMICAL- WATER	Ground Water	Color	APHA & AWWA 23rd Ed. 2120 B. 2 - 6 Visual comparison Method
100	CHEMICAL- WATER	Ground Water	Dissolved Oxygen	IS: 3025 (Part –38)
101	CHEMICAL- WATER	Ground Water	Electrical Conductivity	IS: 3025 (Part –14)
102	CHEMICAL- WATER	Ground Water	Fixed Residue (Total filterable and Non-filterable)	IS: 3025 (Part – 18)

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103	CHEMICAL- WATER	Ground Water	Hexavalent Chromium (as Cr+6)	Standard Methods – APHA & AWWA 23rd Ed 3500 –Cr- B.3-71. Colorimetric Method
104	CHEMICAL- WATER	Ground Water	Iron (as Fe)	IS: 3025 (Part – 53)
105	CHEMICAL- WATER	Ground Water	Magnesium (as Mg+2)	APHA & AWWA 23rdEd. 3500 Mg - B. 3 – 86 Calculation Method
106	CHEMICAL- WATER	Ground Water	Nickel (as Ni)	IS: 3025 (Part –54)
107	CHEMICAL- WATER	Ground Water	Nitrate Nitrogen (as NO3--N)	APHA & AWWA 23rd Ed. 4500 – NO3-- B.4-127 Ultraviolet Spectrophotometric Screening Method
108	CHEMICAL- WATER	Ground Water	Nitrite Nitrogen (as NO2--N)	APHA & AWWA 23rd Ed. 4500 – NO2-- B.4-124 Colorimetric Method
109	CHEMICAL- WATER	Ground Water	Nitrogen (Ammonia) (as NH3-N)	APHA & AWWA 23rd Ed. 4500 – NH3-B & C.4 – 114, 115,116 Titrimetric Method
110	CHEMICAL- WATER	Ground Water	Odour	IS 3025 (PART-5)
111	CHEMICAL- WATER	Ground Water	Oil & Grease	IS: 3025 (Part – 39)
112	CHEMICAL- WATER	Ground Water	Ortho Phosphate (as PO4-3)	APHA & AWWA 23rd Ed. 4500 P-B. (5)-4-161 & P-D.4-163 Stannous Chloride Method
113	CHEMICAL- WATER	Ground Water	pH Value	IS: 3025 (Part –11)
114	CHEMICAL- WATER	Ground Water	Phenols (as C6H5OH)	Standard Methods – APHA & AWWA 23rd Ed. 5530-B.5-49 & D.5-51. Cleanup Procedure & Direct Photometric Method
115	CHEMICAL- WATER	Ground Water	Sulphates (as SO4-2)	APHA & AWWA 23nd Ed.-4500-SO42--E. 4-199 (Turbidimetric Method)
116	CHEMICAL- WATER	Ground Water	Sulphides (as S-2)	APHA & AWWA 23rd Ed. 4500 – S-2- F.4-187 Iodometric Method
117	CHEMICAL- WATER	Ground Water	Taste	IS 3025 (PART-8)
118	CHEMICAL- WATER	Ground Water	Temperature	IS: 3025 (Part –9)
119	CHEMICAL- WATER	Ground Water	Total Dissolved Solids (Filterable Residue)	IS: 3025 (Part – 16)
120	CHEMICAL- WATER	Ground Water	Total Hardness (as CaCO3)	IS:3025(Part-21)

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121	CHEMICAL- WATER	Ground Water	Total Phosphorus (as P)	APHA & AWWA 23rd Ed.4500 P-B. (5)-4-161 & P-E. 4 – 164 Persulfate Digestion Method & Ascorbic Acid Method
122	CHEMICAL- WATER	Ground Water	Total Solids (Dissolved & Suspended) (Total Residue)	IS: 3025 (Part – 15)
123	CHEMICAL- WATER	Ground Water	Total Suspended Solids (Non-Filterable Residue)	IS: 3025 (Part – 17)
124	CHEMICAL- WATER	Ground Water	Turbidity	IS: 3025 (Part –10)
125	CHEMICAL- WATER	Ground Water	Volatile Residue (Total filterable and Non-filterable)	IS: 3025 (Part – 18)
126	CHEMICAL- WATER	Surface Water	Acidity (as CaCO3)	IS: 3025 (Part - 22)
127	CHEMICAL- WATER	Surface Water	Alkalinity (as CaCO3)	IS: 3025 (Part –23)
128	CHEMICAL- WATER	Surface Water	Biochemical Oxygen Demand	IS: 3025 (Part –44)
129	CHEMICAL- WATER	Surface Water	Calcium (as Ca+2)	APHA & AWWA 23rd Ed. 3500 Ca – B. 3 – 69 EDTA –Titrimetric
130	CHEMICAL- WATER	Surface Water	Carbonate (as CO3-2) & Bicarbonate (as HCO3-)	IS: 3025 (Part –51)
131	CHEMICAL- WATER	Surface Water	Chemical Oxygen Demand	APHA & AWWA 23rd Ed. 5220 B. 5- 18 Open Reflux Method
132	CHEMICAL- WATER	Surface Water	Chloride (as Cl-)	IS: 3025 (Part –32)
133	CHEMICAL- WATER	Surface Water	Color	APHA & AWWA 23rd Ed. 2120 B. 2 - 6 Visual comparison Method
134	CHEMICAL- WATER	Surface Water	Dissolved Oxygen	IS: 3025 (Part –38)
135	CHEMICAL- WATER	Surface Water	Electrical Conductivity	IS: 3025 (Part –14)
136	CHEMICAL- WATER	Surface Water	Fixed Residue (Total filterable and Non-filterable)	IS: 3025 (Part – 18)
137	CHEMICAL- WATER	Surface Water	Hexavalent Chromium (as Cr+6)	Standard Methods – APHA & AWWA 23rd Ed 3500 –Cr-B.3-71. Colorimetric Method
138	CHEMICAL- WATER	Surface Water	Iron (as Fe)	IS: 3025 (Part – 53)
139	CHEMICAL- WATER	Surface Water	Magnesium (as Mg+2)	APHA & AWWA 23rdEd. 3500 Mg - B. 3 – 86 Calculation Method
140	CHEMICAL- WATER	Surface Water	Nickel (as Ni)	IS: 3025 (Part –54)

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141	CHEMICAL- WATER	Surface Water	Nitrate Nitrogen (as NO3--N)	APHA & AWWA 23rd Ed. 4500 – NO3-- B.4-127 Ultraviolet Spectrophotometric Screening Method
142	CHEMICAL- WATER	Surface Water	Nitrite Nitrogen (as NO2--N)	APHA & AWWA 23rd Ed. 4500 – NO2-- B.4-124 Colorimetric Method
143	CHEMICAL- WATER	Surface Water	Nitrogen (Ammonia) (as NH3-N)	APHA & AWWA 23rd Ed. 4500 – NH3-B & C.4 – 114, 115,116 Titrimetric Method
144	CHEMICAL- WATER	Surface Water	Odour	IS 3025 (PART-5)
145	CHEMICAL- WATER	Surface Water	Oil & Grease	IS: 3025 (Part – 39)
146	CHEMICAL- WATER	Surface Water	Ortho Phosphate (as PO4-3)	APHA & AWWA 23rd Ed. 4500 P-B. (5)-4-161 & P-D.4-163 Stannous Chloride Method
147	CHEMICAL- WATER	Surface Water	pH Value	IS: 3025 (Part –11)
148	CHEMICAL- WATER	Surface Water	Phenols (as C6H5OH)	Standard Methods – APHA & AWWA 23rd Ed. 5530-B.5-49 & D.5-51. Cleanup Procedure & Direct Photometric Method
149	CHEMICAL- WATER	Surface Water	Sulphates (as SO4-2)	APHA & AWWA 23nd Ed.-4500-SO42--E. 4-199 (Turbidimetric Method)
150	CHEMICAL- WATER	Surface Water	Sulphides (as S-2)	APHA & AWWA 23rd Ed. 4500 – S-2- F.4-187 Iodometric Method
151	CHEMICAL- WATER	Surface Water	Taste	IS 3025 (PART-8)
152	CHEMICAL- WATER	Surface Water	Temperature	IS: 3025 (Part –9)
153	CHEMICAL- WATER	Surface Water	Total Dissolved Solids (Filterable Residue)	IS: 3025 (Part – 16)
154	CHEMICAL- WATER	Surface Water	Total Hardness (as CaCO3)	IS:3025(Part-21)
155	CHEMICAL- WATER	Surface Water	Total Phosphorus (as P)	APHA & AWWA 23rd Ed.4500 P-B. (5)-4-161 & P-E. 4 – 164 Persulfate Digestion Method & Ascorbic Acid Method
156	CHEMICAL- WATER	Surface Water	Total Solids (Dissolved & Suspended) (Total Residue)	IS: 3025 (Part – 15)
157	CHEMICAL- WATER	Surface Water	Total Suspended Solids (Non-Filterable Residue)	IS: 3025 (Part – 17)
158	CHEMICAL- WATER	Surface Water	Turbidity	IS: 3025 (Part –10)

SCOPE OF ACCREDITATION

Laboratory Name :	LABORATORY DEPARTMENT, RINA ENVIRO CARE, C-305,306 AAGAM SHOPPING WORLD, SURAT, GUJARAT, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-11339	**Page No**	10 of 11
Validity	31/01/2023 to 30/01/2025	**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
159	CHEMICAL- WATER	Surface Water	Volatile Residue (Total filterable and Non-filterable)	IS: 3025 (Part – 18)
160	CHEMICAL- WATER	Water from Water Purifiers	Acidity (as CaCO3)	IS: 3025 (Part - 22)
161	CHEMICAL- WATER	Water from Water Purifiers	Alkalinity (as CaCO3)	IS: 3025 (Part –23)
162	CHEMICAL- WATER	Water from Water Purifiers	Biochemical Oxygen Demand	IS: 3025 (Part –44)
163	CHEMICAL- WATER	Water from Water Purifiers	Calcium (as Ca+2)	APHA & AWWA 23rd Ed. 3500 Ca – B. 3 – 69 EDTA –Titrimetric
164	CHEMICAL- WATER	Water from Water Purifiers	Carbonate (as CO3-2) & Bicarbonate (as HCO3-)	IS: 3025 (Part –51)
165	CHEMICAL- WATER	Water from Water Purifiers	Chemical Oxygen Demand	APHA & AWWA 23rd Ed. 5220 B. 5- 18 Open Reflux Method
166	CHEMICAL- WATER	Water from Water Purifiers	Chloride (as Cl-)	IS: 3025 (Part –32)
167	CHEMICAL- WATER	Water from Water Purifiers	Color	APHA & AWWA 23rd Ed. 2120 B. 2 - 6 Visual comparison Method
168	CHEMICAL- WATER	Water from Water Purifiers	Dissolved Oxygen	IS: 3025 (Part –38)
169	CHEMICAL- WATER	Water from Water Purifiers	Electrical Conductivity	IS: 3025 (Part –14)
170	CHEMICAL- WATER	Water from Water Purifiers	Fixed Residue (Total filterable and Non-filterable)	IS: 3025 (Part – 18)
171	CHEMICAL- WATER	Water from Water Purifiers	Hexavalent Chromium (as Cr+6)	Standard Methods – APHA & AWWA 23rd Ed 3500 –Cr- B.3-71. Colorimetric Method
172	CHEMICAL- WATER	Water from Water Purifiers	Iron (as Fe)	IS: 3025 (Part – 53)
173	CHEMICAL- WATER	Water from Water Purifiers	Magnesium (as Mg+2)	APHA & AWWA 23rdEd. 3500 Mg - B. 3 – 86 Calculation Method
174	CHEMICAL- WATER	Water from Water Purifiers	Nickel (as Ni)	IS: 3025 (Part –54)
175	CHEMICAL- WATER	Water from Water Purifiers	Nitrate Nitrogen (as NO3--N)	APHA & AWWA 23rd Ed. 4500 – NO3-- B.4-127 Ultraviolet Spectrophotometric Screening Method
176	CHEMICAL- WATER	Water from Water Purifiers	Nitrite Nitrogen (as NO2--N)	APHA & AWWA 23rd Ed. 4500 – NO2-- B.4-124 Colorimetric Method
177	CHEMICAL- WATER	Water from Water Purifiers	Nitrogen (Ammonia) (as NH3-N)	APHA & AWWA 23rd Ed. 4500 – NH3-B & C.4 – 114, 115,116 Titrimetric Method
178	CHEMICAL- WATER	Water from Water Purifiers	Odour	IS 3025 (PART-5)

National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : LABORATORY DEPARTMENT, RINA ENVIRO CARE, C-305,306 AAGAM SHOPPING WORLD, SURAT, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-11339 **Page No** 11 of 11

Validity 31/01/2023 to 30/01/2025 **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
179	CHEMICAL- WATER	Water from Water Purifiers	Oil & Grease	IS: 3025 (Part – 39)
180	CHEMICAL- WATER	Water from Water Purifiers	Ortho Phosphate (as PO4-3)	APHA & AWWA 23rd Ed. 4500 P-B. (5)-4-161 & P-D.4-163 Stannous Chloride Method
181	CHEMICAL- WATER	Water from Water Purifiers	pH Value	IS: 3025 (Part –11)
182	CHEMICAL- WATER	Water from Water Purifiers	Phenols (as C6H5OH)	Standard Methods – APHA & AWWA 23rd Ed. 5530-B.5-49 & D.5-51. Cleanup Procedure & Direct Photometric Method
183	CHEMICAL- WATER	Water from Water Purifiers	Sulphates (as SO4-2)	APHA & AWWA 23nd Ed.-4500-SO42--E. 4-199 (Turbidimetric Method)
184	CHEMICAL- WATER	Water from Water Purifiers	Sulphides (as S-2)	APHA & AWWA 23rd Ed. 4500 – S-2- F.4-187 Iodometric Method
185	CHEMICAL- WATER	Water from Water Purifiers	Taste	IS 3025 (PART-8)
186	CHEMICAL- WATER	Water from Water Purifiers	Temperature	IS: 3025 (Part –9)
187	CHEMICAL- WATER	Water from Water Purifiers	Total Dissolved Solids (Filterable Residue)	IS: 3025 (Part – 16)
188	CHEMICAL- WATER	Water from Water Purifiers	Total Hardness (as CaCO3)	IS:3025(Part-21)
189	CHEMICAL- WATER	Water from Water Purifiers	Total Phosphorus (as P)	APHA & AWWA 23rd Ed.4500 P-B. (5)-4-161 & P-E. 4 – 164 Persulfate Digestion Method & Ascorbic Acid Method
190	CHEMICAL- WATER	Water from Water Purifiers	Total Solids (Dissolved & Suspended) (Total Residue)	IS: 3025 (Part – 15)
191	CHEMICAL- WATER	Water from Water Purifiers	Total Suspended Solids (Non-Filterable Residue)	IS: 3025 (Part – 17)
192	CHEMICAL- WATER	Water from Water Purifiers	Turbidity	IS: 3025 (Part –10)
193	CHEMICAL- WATER	Water from Water Purifiers	Volatile Residue (Total filterable and Non-filterable)	IS: 3025 (Part – 18)