



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : PRAKRUTI ENVIRONMENTAL ENGINEERS LLP (ENVIRONMENTAL LABORATORY), "PRAKRUTI", BIL ROAD, VILLAGE: BIL, VADODARA, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-14668

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Validity 21/06/2025 to 20/06/2029

Last Amended on 06/08/2025

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 Testing				
1	BIOLOGICAL- ENVIRONMENT AND POLLUTION	Effluents/ Waste Water	Escherichia Coli	APHA 9221 B & G2 (24th Edition)
2	BIOLOGICAL- ENVIRONMENT AND POLLUTION	Effluents/ Waste Water	Fecal Coliform	APHA 9221 B & E2 (24th Edition)
3	BIOLOGICAL- ENVIRONMENT AND POLLUTION	Effluents/ Waste Water	Total Coliform	APHA 9221 B (24th Edition)
4	BIOLOGICAL- ENVIRONMENT AND POLLUTION	Sewage water	Escherichia Coli	APHA 9221 B & G2 (24th Edition)
5	BIOLOGICAL- ENVIRONMENT AND POLLUTION	Sewage water	Fecal Coliform	APHA 9221 B & E2 (24th Edition)
6	BIOLOGICAL- ENVIRONMENT AND POLLUTION	Sewage water	Total Coliform	APHA 9221 B (24th Edition)
7	BIOLOGICAL- WATER	Drinking Water	Escherichia Coli	IS: 15185
8	BIOLOGICAL- WATER	Drinking Water	Heterotrophic Plate Count (Standard/ Total Plate Count)	IS: 1622
9	BIOLOGICAL- WATER	Drinking Water	Total Coliform	IS: 15185
10	BIOLOGICAL- WATER	Ground Water/ Surface Water	Escherichia Coli	IS: 1622
11	BIOLOGICAL- WATER	Ground Water/ Surface Water	Fecal Coliform	IS: 1622
12	BIOLOGICAL- WATER	Ground Water/ Surface Water	Heterotrophic Plate Count (Standard/ Total Plate Count)	IS: 1622
13	BIOLOGICAL- WATER	Ground Water/ Surface Water	Total Coliform	IS: 1622
14	BIOLOGICAL- WATER	Industrial water	Escherichia Coli	IS: 1622
15	BIOLOGICAL- WATER	Industrial water	Fecal Coliform	IS: 1622
16	BIOLOGICAL- WATER	Industrial water	Heterotrophic Plate Count (Standard/ Total Plate Count)	IS: 1622
17	BIOLOGICAL- WATER	Industrial water	Total Coliform	IS: 1622
18	BIOLOGICAL- WATER	Packaged Drinking Water	Escherichia Coli	IS: 15185
19	BIOLOGICAL- WATER	Packaged Drinking Water	Heterotrophic Plate Count (Standard/ Total Plate Count)	IS: 1622
20	BIOLOGICAL- WATER	Packaged Drinking Water	Total Coliform	IS: 15185
21	BIOLOGICAL- WATER	Packaged Natural Mineral Water	Escherichia Coli	IS: 15185



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22	BIOLOGICAL- WATER	Packaged Natural Mineral Water	Heterotrophic Plate Count (Standard/ Total Plate Count)	IS: 1622
23	BIOLOGICAL- WATER	Packaged Natural Mineral Water	Total Coliform	IS: 15185
24	BIOLOGICAL- WATER	Water for Swimming Pool and Spas	Escherichia Coli	IS: 1622
25	BIOLOGICAL- WATER	Water for Swimming Pool and Spas	Fecal Coliform	IS: 1622
26	BIOLOGICAL- WATER	Water for Swimming Pool and Spas	Heterotrophic Plate Count (Standard/ Total Plate Count)	IS: 1622
27	BIOLOGICAL- WATER	Water for Swimming Pool and Spas	Total Coliform	IS: 1622
28	BIOLOGICAL- WATER	Water from Water Purifiers	Escherichia Coli	IS 15185
29	BIOLOGICAL- WATER	Water from Water Purifiers	Heterotrophic Plate Count (Standard/ Total Plate Count)	IS: 1622
30	BIOLOGICAL- WATER	Water from Water Purifiers	Total Coliform	IS 15185
31	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air Monitoring	Ammonia (as NH ₃)	IS: 5182 (Part 25)
32	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air Monitoring	Arsenic (as As)	CPCB guideline for NAAQM Vol I, ICP
33	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air Monitoring	Benzene (as C ₆ H ₆)	IS 5182 (Part 11, Method-1)
34	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air Monitoring	Carbon Monoxide (as CO)	IS 5182 (Part 10), NDIR
35	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air Monitoring	Chlorine (as Cl ₂)	Method of Air Sampling & Analysis - Method 202 (3rd Edition)
36	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air Monitoring	Hydrochloric Acid (as HCl)	SOP-TEST-01
37	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air Monitoring	Lead (as Pb)	CPCB guideline for NAAQM Vol I, ICP
38	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air Monitoring	Lead (as Pb)	IS 5182 (Part 22), ICP
39	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air Monitoring	Nickel (as Ni)	CPCB guideline for NAAQM Vol I, ICP
40	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air Monitoring	Oxides of Nitrogen (as NO ₂)	IS: 5182 (Part 6)
41	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air Monitoring	Ozone (as O ₃)	IS: 5182 (Part-9)
42	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air Monitoring	Particulate Matter (as PM ₁₀)	IS: 5182 (Part 23)
43	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air Monitoring	Particulate Matter (as PM _{2.5})	IS: 5182 (Part 24)



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44	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air Monitoring	Sulphur Dioxide (as SO ₂)	IS 5182 (Part 2, Sec 1)
45	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Monitoring (Process /Vent Emission)	Ammonia (as NH ₃)	IS: 11255 (Part 6)
46	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Monitoring (Process /Vent Emission)	Chlorine (as Cl ₂)	EPA Method 0051 & SOP-TEST-03
47	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Monitoring (Process /Vent Emission)	Hydrochloric Acid (as HCl)	EPA Method 0051 & SOP-TEST-03
48	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Monitoring (Process /Vent Emission)	Nitrogen Oxide (as NO _x)	IS: 11255 (Part 7)
49	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Monitoring (Process /Vent Emission)	Sulphur Dioxide (as SO ₂)	IS: 11255 (Part 2)
50	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Monitoring (Process /Vent Emission)	Carbon Dioxide (as CO ₂)	IS 13270 (ORSAT)
51	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Monitoring (Process /Vent Emission)	Carbon Monoxide (as CO)	IS 13270 (ORSAT)
52	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Monitoring (Process /Vent Emission)	Oxygen (as O ₂)	IS 13270 (ORSAT)
53	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Monitoring (Process /Vent Emission)	Particulate Matter (as PM)	IS: 11255 (Part 1)
54	CHEMICAL- POLLUTION & ENVIRONMENT	Waste (Liquid/Slurry/Sludge/Solid/Semi-Solid/ Municipal Solid Wastes)	Copper (as Cu)	EPA 3050 B:1996 & APHA 3120 B (24th Edition)
55	CHEMICAL- POLLUTION & ENVIRONMENT	Waste (Liquid/Slurry/Sludge/Solid/Semi-Solid/ Municipal Solid Wastes)	Copper (as Cu)	EPA 3050 B:1996 & APHA 3500 Cu C (24th Edition)
56	CHEMICAL- POLLUTION & ENVIRONMENT	Waste (Liquid/Slurry/Sludge/Solid/Semi-Solid/ Municipal Solid Wastes)	Iron (as Fe)	EPA 3050 B:1996 & APHA 3500 Fe B (24th Edition)
57	CHEMICAL- POLLUTION & ENVIRONMENT	Waste (Liquid/Slurry/Sludge/Solid/Semi-Solid/ Municipal Solid Wastes)	Aluminum (as Al)	EPA 1311: 1992 & APHA 3120 B (24th Edition)
58	CHEMICAL- POLLUTION & ENVIRONMENT	Waste (Liquid/Slurry/Sludge/Solid/Semi-Solid/ Municipal Solid Wastes)	Aluminum (as Al)	EPA 1311: 1992 & APHA 3500-Al B (24th Edition)
59	CHEMICAL- POLLUTION & ENVIRONMENT	Waste (Liquid/Slurry/Sludge/Solid/Semi-Solid/ Municipal Solid Wastes)	Aluminum (as Al)	EPA 3050 B:1996 & APHA 3120 B (24th Edition)
60	CHEMICAL- POLLUTION & ENVIRONMENT	Waste (Liquid/Slurry/Sludge/Solid/Semi-Solid/ Municipal Solid Wastes)	Aluminum (as Al)	EPA 3050 B:1996 & APHA 3500-Al B (24th Edition)
61	CHEMICAL- POLLUTION & ENVIRONMENT	Waste (Liquid/Slurry/Sludge/Solid/Semi-Solid/ Municipal Solid Wastes)	Annealing loss of the dry residue at 550°C	APHA 2540 G (24th Edition)
62	CHEMICAL- POLLUTION & ENVIRONMENT	Waste (Liquid/Slurry/Sludge/Solid/Semi-Solid/ Municipal Solid Wastes)	Arsenic (as As)	EPA 1311: 1992 & IS 3025 (Part 37)
63	CHEMICAL- POLLUTION & ENVIRONMENT	Waste (Liquid/Slurry/Sludge/Solid/Semi-Solid/ Municipal Solid Wastes)	Arsenic (as As)	EPA 3050 B:1996 & IS 3025 (Part 37)



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64	CHEMICAL- POLLUTION & ENVIRONMENT	Waste (Liquid/Slurry/Sludge/Solid/Semi-Solid/ Municipal Solid Wastes)	Arsenic (as As)	EPA 1311: 1992 & APHA 3120 B (24th Edition)
65	CHEMICAL- POLLUTION & ENVIRONMENT	Waste (Liquid/Slurry/Sludge/Solid/Semi-Solid/ Municipal Solid Wastes)	Arsenic (as As)	EPA 3050 B:1996 & APHA 3120 B (24th Edition)
66	CHEMICAL- POLLUTION & ENVIRONMENT	Waste (Liquid/Slurry/Sludge/Solid/Semi-Solid/ Municipal Solid Wastes)	Boron (as B)	EPA 3050 B:1996 & APHA 3120 B (24th Edition)
67	CHEMICAL- POLLUTION & ENVIRONMENT	Waste (Liquid/Slurry/Sludge/Solid/Semi-Solid/ Municipal Solid Wastes)	Cadmium (as Cd)	EPA 3050 B:1996 & APHA 3120 B (24th Edition)
68	CHEMICAL- POLLUTION & ENVIRONMENT	Waste (Liquid/Slurry/Sludge/Solid/Semi-Solid/ Municipal Solid Wastes)	Chromium (Hexavalent as Cr+6)	EPA 3050 B:1996 & APHA 3500-Cr B (24th Edition)
69	CHEMICAL- POLLUTION & ENVIRONMENT	Waste (Liquid/Slurry/Sludge/Solid/Semi-Solid/ Municipal Solid Wastes)	Chromium (Total as Cr)	EPA 1311: 1992 & APHA 3120 B (24th Edition)
70	CHEMICAL- POLLUTION & ENVIRONMENT	Waste (Liquid/Slurry/Sludge/Solid/Semi-Solid/ Municipal Solid Wastes)	Chromium (Total as Cr)	EPA 1311: 1992 & APHA 3500-Cr B (24th Edition)
71	CHEMICAL- POLLUTION & ENVIRONMENT	Waste (Liquid/Slurry/Sludge/Solid/Semi-Solid/ Municipal Solid Wastes)	Chromium (Total as Cr)	EPA 3050 B:1996 & APHA 3120-Cr B (24th Edition)
72	CHEMICAL- POLLUTION & ENVIRONMENT	Waste (Liquid/Slurry/Sludge/Solid/Semi-Solid/ Municipal Solid Wastes)	Chromium (Total as Cr)	EPA 3050 B:1996 & APHA 3500-Cr B (24th Edition)
73	CHEMICAL- POLLUTION & ENVIRONMENT	Waste (Liquid/Slurry/Sludge/Solid/Semi-Solid/ Municipal Solid Wastes)	Gross Calorific Value	IS 1350 (Part 2)
74	CHEMICAL- POLLUTION & ENVIRONMENT	Waste (Liquid/Slurry/Sludge/Solid/Semi-Solid/ Municipal Solid Wastes)	Nickel (as Ni)	EPA 1311: 1992 & APHA 3120 B (24th Edition)
75	CHEMICAL- POLLUTION & ENVIRONMENT	Waste (Liquid/Slurry/Sludge/Solid/Semi-Solid/ Municipal Solid Wastes)	Paint Filter Liquid Test (PFLT)	EPA 9095 B
76	CHEMICAL- POLLUTION & ENVIRONMENT	Waste (Liquid/Slurry/Sludge/Solid/Semi-Solid/ Municipal Solid Wastes)	pH measured in water	EPA 9045 D
77	CHEMICAL- POLLUTION & ENVIRONMENT	Effluents toxicity	Bioassay (90% survival fish after 96 hours in 100% effluent)	IS 6582
78	CHEMICAL- POLLUTION & ENVIRONMENT	Recovered Water (Treated Effluent)	Acidity (as CaCO ₃)	APHA 2310 B
79	CHEMICAL- POLLUTION & ENVIRONMENT	Recovered Water (Treated Effluent)	Alkalinity (Total as CaCO ₃)	APHA 2320 B
80	CHEMICAL- POLLUTION & ENVIRONMENT	Recovered Water (Treated Effluent)	Biochemical Oxygen Demand (3d at 27 °C as BOD)	IS 3025 (Part 44)
81	CHEMICAL- POLLUTION & ENVIRONMENT	Recovered Water (Treated Effluent)	Biochemical Oxygen Demand (5d at 20 °C as BOD)	APHA 5210 B
82	CHEMICAL- POLLUTION & ENVIRONMENT	Recovered Water (Treated Effluent)	Boron (as B)	APHA 4500-B B
83	CHEMICAL- POLLUTION & ENVIRONMENT	Recovered Water (Treated Effluent)	Calcium (as Ca)	APHA 3500-Ca B

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



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84	CHEMICAL- POLLUTION & ENVIRONMENT	Recovered Water (Treated Effluent)	Chemical Oxygen Demand (as COD)	APHA 5220 B
85	CHEMICAL- POLLUTION & ENVIRONMENT	Recovered Water (Treated Effluent)	Chemical Oxygen Demand (as COD)	IS 3025 (Part 58)
86	CHEMICAL- POLLUTION & ENVIRONMENT	Recovered Water (Treated Effluent)	Chloride (as Cl-)	APHA 4500-Cl-B
87	CHEMICAL- POLLUTION & ENVIRONMENT	Recovered Water (Treated Effluent)	Chlorine (Residual as Cl ₂)	APHA 4500-Cl F
88	CHEMICAL- POLLUTION & ENVIRONMENT	Recovered Water (Treated Effluent)	Chlorine (Residual as Cl ₂)	APHA 4500-Cl G DPD Colorimetric Method
89	CHEMICAL- POLLUTION & ENVIRONMENT	Recovered Water (Treated Effluent)	Chromium (Hexavalent as Cr+6)	APHA 3500-Cr B
90	CHEMICAL- POLLUTION & ENVIRONMENT	Recovered Water (Treated Effluent)	Colour (Pt-Co Scale)	APHA 2120 C
91	CHEMICAL- POLLUTION & ENVIRONMENT	Recovered Water (Treated Effluent)	Conductivity	APHA 2510 B
92	CHEMICAL- POLLUTION & ENVIRONMENT	Recovered Water (Treated Effluent)	Cyanide (as CN-)	APHA 4500-CN E
93	CHEMICAL- POLLUTION & ENVIRONMENT	Recovered Water (Treated Effluent)	Fluoride (as F-)	APHA 4500-F D
94	CHEMICAL- POLLUTION & ENVIRONMENT	Recovered Water (Treated Effluent)	Free Carbon Dioxide (as CO ₂)	APHA 4500-CO ₂ C
95	CHEMICAL- POLLUTION & ENVIRONMENT	Recovered Water (Treated Effluent)	Hardness (as CaCO ₃)	APHA 2340 C
96	CHEMICAL- POLLUTION & ENVIRONMENT	Recovered Water (Treated Effluent)	Iron (as Fe)	APHA 3500 Fe B
97	CHEMICAL- POLLUTION & ENVIRONMENT	Recovered Water (Treated Effluent)	Magnesium (as Mg)	APHA 3500-Mg B
98	CHEMICAL- POLLUTION & ENVIRONMENT	Recovered Water (Treated Effluent)	Nitrogen (Ammonia as NH ₃ -N)	APHA 4500-NH ₃ C
99	CHEMICAL- POLLUTION & ENVIRONMENT	Recovered Water (Treated Effluent)	Nitrogen (Ammonia as NH ₃ -N)	APHA 4500-NH ₃ F
100	CHEMICAL- POLLUTION & ENVIRONMENT	Recovered Water (Treated Effluent)	Nitrogen (Kjeldahl Nitrogen as TKN)	APHA 4500-Norg B
101	CHEMICAL- POLLUTION & ENVIRONMENT	Recovered Water (Treated Effluent)	Nitrogen (Nitrate as NO ₃ -N)	APHA 4500-NO ₃ B
102	CHEMICAL- POLLUTION & ENVIRONMENT	Recovered Water (Treated Effluent)	Nitrogen (Nitrate as NO ₃ -N)	APHA 4500-NO ₃ E
103	CHEMICAL- POLLUTION & ENVIRONMENT	Recovered Water (Treated Effluent)	Nitrogen (Nitrite as NO ₂ -N)	APHA 4500-NO ₂ B



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104	CHEMICAL- POLLUTION & ENVIRONMENT	Recovered Water (Treated Effluent)	Nitrogen (Organic as Norg)	APHA 4500-Norg B
105	CHEMICAL- POLLUTION & ENVIRONMENT	Recovered Water (Treated Effluent)	Nitrogen (Total as N)	APHA 4500-N C
106	CHEMICAL- POLLUTION & ENVIRONMENT	Recovered Water (Treated Effluent)	Oil & Grease (as O&G)	APHA 5220 d
107	CHEMICAL- POLLUTION & ENVIRONMENT	Recovered Water (Treated Effluent)	Oxygen (Dissolved as DO)	APHA 4500-O C
108	CHEMICAL- POLLUTION & ENVIRONMENT	Recovered Water (Treated Effluent)	Oxygen (Dissolved as DO)	SOP-TEST-04
109	CHEMICAL- POLLUTION & ENVIRONMENT	Recovered Water (Treated Effluent)	Percent Sodium (as %Na)	SOP-TEST-05
110	CHEMICAL- POLLUTION & ENVIRONMENT	Recovered Water (Treated Effluent)	pH	APHA 4500-H+ B
111	CHEMICAL- POLLUTION & ENVIRONMENT	Recovered Water (Treated Effluent)	Phenol	APHA 5530 D
112	CHEMICAL- POLLUTION & ENVIRONMENT	Recovered Water (Treated Effluent)	Phosphorous (as P)	APHA 4500-P C
113	CHEMICAL- POLLUTION & ENVIRONMENT	Recovered Water (Treated Effluent)	Potassium (as K)	APHA 3500-K B
114	CHEMICAL- POLLUTION & ENVIRONMENT	Recovered Water (Treated Effluent)	Salinity (as SPSS)	APHA 2520 b
115	CHEMICAL- POLLUTION & ENVIRONMENT	Recovered Water (Treated Effluent)	Settleable Solids	APHA 2540 F
116	CHEMICAL- POLLUTION & ENVIRONMENT	Recovered Water (Treated Effluent)	Settleable Solids	APHA 2540 F
117	CHEMICAL- POLLUTION & ENVIRONMENT	Recovered Water (Treated Effluent)	Silica (as SiO ₂)	APHA 4500-SiO ₂ C
118	CHEMICAL- POLLUTION & ENVIRONMENT	Recovered Water (Treated Effluent)	Silica (as SiO ₂)	APHA 4500-SiO ₂ D
119	CHEMICAL- POLLUTION & ENVIRONMENT	Recovered Water (Treated Effluent)	Sodium (as Na)	APHA 3500-Na B
120	CHEMICAL- POLLUTION & ENVIRONMENT	Recovered Water (Treated Effluent)	Sodium Absorption Ratio (as SAR)	SOP-TEST-06
121	CHEMICAL- POLLUTION & ENVIRONMENT	Recovered Water (Treated Effluent)	Sulfate (as SO ₄ ²⁻)	APHA 4500-SO ₄ ²⁻ D
122	CHEMICAL- POLLUTION & ENVIRONMENT	Recovered Water (Treated Effluent)	Sulfate (as SO ₄ ²⁻)	APHA 4500-SO ₄ ²⁻ E
123	CHEMICAL- POLLUTION & ENVIRONMENT	Recovered Water (Treated Effluent)	Sulfide (as S ₂ ⁻)	APHA 4500-S ₂ ⁻ F



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124	CHEMICAL- POLLUTION & ENVIRONMENT	Recovered Water (Treated Effluent)	Sulfite (as SO ₃ -2)	APHA 4500-SO32- B
125	CHEMICAL- POLLUTION & ENVIRONMENT	Recovered Water (Treated Effluent)	Temperature	APHA 2550 B
126	CHEMICAL- POLLUTION & ENVIRONMENT	Recovered Water (Treated Effluent)	Total Dissolved Solids	APHA 2540 C
127	CHEMICAL- POLLUTION & ENVIRONMENT	Recovered Water (Treated Effluent)	Total Solids	APHA 2540 B
128	CHEMICAL- POLLUTION & ENVIRONMENT	Recovered Water (Treated Effluent)	Total Suspended Solids	APHA 2540 D
129	CHEMICAL- POLLUTION & ENVIRONMENT	Recovered Water (Treated Effluent)	Turbidity	APHA 2130 B
130	CHEMICAL- POLLUTION & ENVIRONMENT	Soil Sediment	Total Soluble Solids	IS 2720 (Part 21)
131	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/ Sediment	Aluminum (as Al)	IS 18242
132	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/ Sediment	Arsenic (as As)	EPA 3050 B:1996 & IS 3025 (Part 37)
133	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/ Sediment	Arsenic (as As)	IS 18242: 2023
134	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/ Sediment	Boron (as B)	EPA 3050 B: 1996 & APHA 4500-B B (24th Edition)
135	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/ Sediment	Calcium Carbonate (as CaCO ₃)	IS 2720 (Part 23)
136	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/ Sediment	Cation Exchange Capacity	IS 2720 (Part 24)
137	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/ Sediment	Manganese (as Mn)	EPA 3050 B: 1996 & APHA 3500-Mn B (24th Edition)
138	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/ Sediment	Nickel (as Ni)	EPA 3050 B:1996 & IS 3025 (Part 54)
139	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/ Sediment	Nitrogen (Ammonia as NH ₃ -N)	IS 14684
140	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/ Sediment	Nitrogen (as Inorganic N)	IS 14684
141	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/ Sediment	Nitrogen (Kjeldahl Nitrogen as TKN)	IS 14684
142	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/ Sediment	Nitrogen (Nitrate as NO ₃ -N)	IS 14684
143	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/ Sediment	Nitrogen (Total as N)	IS 14684



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144	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/ Sediment	Organic Matter/ Organic Carbon	IS 2720 (Part 22)
145	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/ Sediment	Percent Sodium (as % Na)	SOP-TEST-05
146	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/ Sediment	Phosphorus (as P)	SOP-TEST-07
147	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/ Sediment	Sodium (as Na)	EPA 3050 B:1996 & APHA 3500-Na B (24th Edition)
148	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/ Sediment	Sodium (as Na)	IS 18242: 2023
149	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/ Sediment	Sodium Adsorption Ratio (as SAR)	SOP-TEST-06
150	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/ Sediment	Sulphate (as SO ₄ -2)	IS 14685
151	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/ Sediment	Total Soluble Sulfate (as SO ₄ -2)	IS 2720 (Part 27)
152	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/ Sediment	Aluminum (as Al)	EPA 3050 B: 1996 APHA 3500-Al B (24th Edition)
153	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/ Sediment	Boron (as B)	IS 18242: 2023
154	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/ Sediment	Cadmium (as Cd)	IS 18242: 2023
155	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/ Sediment	Calcium (as Ca)	SOP-TEST-08
156	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/ Sediment	Carbon/ Nitrogen Ratio	SOP-TEST-10
157	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/ Sediment	Chromium (as Cr)	EPA 3050 B: 1996 & APHA 3500-Cr B (24th Edition)
158	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/ Sediment	Chromium (as Cr)	IS 18242
159	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/ Sediment	Copper (as Cu)	IS 18242
160	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/ Sediment	Copper (as Cu)	EPA 3050 B: 1996 & APHA 3500 Cu C (24th Edition)
161	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/ Sediment	Electrical Conductivity	IS 14767
162	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/ Sediment	Iron (as Fe)	EPA 3050 B:1996 & APHA 3500 Fe B (24th Edition)
163	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/ Sediment	Iron (as Fe)	IS 18242



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164	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/ Sediment	Lead (as Pb)	IS 18242
165	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/ Sediment	Magnesium (as Mg)	SOP-TEST-09
166	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/ Sediment	Manganese (as Mn)	IS 18242
167	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/ Sediment	Mercury (as Hg)	IS 18242
168	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/ Sediment	Nickel (as Ni)	IS 18242
169	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/ Sediment	pH	IS 2720 (Part 26)
170	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/ Sediment	Potassium (as K)	EPA 3050 B:1996 & APHA 3500-K B (24th Edition)
171	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/ Sediment	Potassium (as K)	IS 18242
172	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/ Sediment	Selenium (as Se)	IS 18242
173	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/ Sediment	Specific Gravity	IS 2720 (Part 3)
174	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/ Sediment	Water Content	IS 2720 (Part 2)
175	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/ Sediment	Zinc (as Zn)	IS 18242
176	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	% Sand	SOP-Test-30
177	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	% Silt	SOP-Test-30
178	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	%Clay	SOP-Test-30
179	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Bulk Density	SOP-Test-29
180	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Chloride (as Cl-)	SOP-Test-27
181	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Nitrite (as NO ₂ -N)	SOP-Test-26
182	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Porosity	SOP-Test-28
183	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Sulphur (as S-2)	IS 14685



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184	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Texture	SOP-Test-30
185	CHEMICAL- POLLUTION & ENVIRONMENT	Waste (Liquid/Slurry/Sludge/Solid/Semi-Solid/ Municipal Solid Wastes)	Nitrogen (Ammonia as NH ₃ -N)	APHA 4500-NH ₃ C (24th Edition)
186	CHEMICAL- POLLUTION & ENVIRONMENT	Waste (Liquid/Slurry/Sludge/Solid/Semi-Solid/ Municipal Solid Wastes)	Manganese (as Mn)	EPA 3050 B:1996 & APHA 3500 Mn B (24th Edition)
187	CHEMICAL- POLLUTION & ENVIRONMENT	Waste (Liquid/Slurry/Sludge/Solid/Semi-Solid/ Municipal Solid Wastes)	Fluoride (as F-)	EPA 1311 & APHA 4500-F- D (24th Edition)
188	CHEMICAL- POLLUTION & ENVIRONMENT	Waste (Liquid/Slurry/Sludge/Solid/Semi-Solid/ Municipal Solid Wastes)	Boron (as B)	EPA 3050 B:1996 & APHA 4500-B B (24th Edition)
189	CHEMICAL- POLLUTION & ENVIRONMENT	Waste (Liquid/Slurry/Sludge/Solid/Semi-Solid/ Municipal Solid Wastes)	Phenol	EPA 1311 : 1992& APHA 5530 D (24th Edition)
190	CHEMICAL- POLLUTION & ENVIRONMENT	Waste (Liquid/Slurry/Sludge/Solid/Semi-Solid/ Municipal Solid Wastes)	Chromium (Hexavalent as Cr+6)	EPA 1311:1992 & APHA 3500-Cr B (24th Edition)
191	CHEMICAL- POLLUTION & ENVIRONMENT	Waste (Liquid/Slurry/Sludge/Solid/Semi-Solid/ Municipal Solid Wastes)	Copper (as Cu)	EPA 1311: 1992 & APHA 3120 B (24th Edition)
192	CHEMICAL- POLLUTION & ENVIRONMENT	Waste (Liquid/Slurry/Sludge/Solid/Semi-Solid/ Municipal Solid Wastes)	Copper (as Cu)	EPA 1311: 1992 & APHA 3500 Cu C (24th Edition)
193	CHEMICAL- POLLUTION & ENVIRONMENT	Waste (Liquid/Slurry/Sludge/Solid/Semi-Solid/ Municipal Solid Wastes)	Iron (as Fe)	EPA 1311: 1992 & APHA 3120 B (24th Edition)
194	CHEMICAL- POLLUTION & ENVIRONMENT	Waste (Liquid/Slurry/Sludge/Solid/Semi-Solid/ Municipal Solid Wastes)	Lead (as Pb)	EPA 1311: 1992 & APHA 3120 B (24th Edition)
195	CHEMICAL- POLLUTION & ENVIRONMENT	Waste (Liquid/Slurry/Sludge/Solid/Semi-Solid/ Municipal Solid Wastes)	Lead (as Pb)	EPA 3050 B:1996 & APHA 3120 B (24th Edition)
196	CHEMICAL- POLLUTION & ENVIRONMENT	Waste (Liquid/Slurry/Sludge/Solid/Semi-Solid/ Municipal Solid Wastes)	Manganese (as Mn)	EPA 1311: 1992 & APHA 3120 B (24th Edition)
197	CHEMICAL- POLLUTION & ENVIRONMENT	Waste (Liquid/Slurry/Sludge/Solid/Semi-Solid/ Municipal Solid Wastes)	Manganese (as Mn)	EPA 1311: 1992 & APHA 3500 Mn B (24th Edition)
198	CHEMICAL- POLLUTION & ENVIRONMENT	Waste (Liquid/Slurry/Sludge/Solid/Semi-Solid/ Municipal Solid Wastes)	Nickel (as Ni)	EPA 1311: 1992 & IS 3025 (Part 54)
199	CHEMICAL- POLLUTION & ENVIRONMENT	Waste (Liquid/Slurry/Sludge/Solid/Semi-Solid/ Municipal Solid Wastes)	Nickel (as Ni)	EPA 3050 B:1996 & IS 3025 (Part 54)
200	CHEMICAL- POLLUTION & ENVIRONMENT	Waste (Liquid/Slurry/Sludge/Solid/Semi-Solid/ Municipal Solid Wastes)	Potassium (as K)	EPA 1311: 1992 & APHA 3120 B (24th Edition)
201	CHEMICAL- POLLUTION & ENVIRONMENT	Waste (Liquid/Slurry/Sludge/Solid/Semi-Solid/ Municipal Solid Wastes)	Potassium (as K)	EPA 1311:1992 & APHA 3500-K B (24th Edition)
202	CHEMICAL- POLLUTION & ENVIRONMENT	Waste (Liquid/Slurry/Sludge/Solid/Semi-Solid/ Municipal Solid Wastes)	Potassium (as K)	EPA 3050 B:1996 & APHA 3500-K B (24th Edition)
203	CHEMICAL- POLLUTION & ENVIRONMENT	Waste (Liquid/Slurry/Sludge/Solid/Semi-Solid/ Municipal Solid Wastes)	Potassium (as K)	EPA 3050 B:1996 & APHA 3120 B (24th Edition)



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204	CHEMICAL- POLLUTION & ENVIRONMENT	Waste (Liquid/Slurry/Sludge/Solid/Semi-Solid/ Municipal Solid Wastes)	Selenium (as Se)	EPA 1311: 1992 & APHA 3120 B (24th Edition)
205	CHEMICAL- POLLUTION & ENVIRONMENT	Waste (Liquid/Slurry/Sludge/Solid/Semi-Solid/ Municipal Solid Wastes)	Selenium (as Se)	EPA 3050 B:1996 & APHA 3120 B (24th Edition)
206	CHEMICAL- POLLUTION & ENVIRONMENT	Waste (Liquid/Slurry/Sludge/Solid/Semi-Solid/ Municipal Solid Wastes)	Sodium (as Na)	EPA 1311: 1992 & APHA 3500-Na B (24th Edition)
207	CHEMICAL- POLLUTION & ENVIRONMENT	Waste (Liquid/Slurry/Sludge/Solid/Semi-Solid/ Municipal Solid Wastes)	Boron (as B)	EPA 1311 & APHA 4500-B B (24th Edition)
208	CHEMICAL- POLLUTION & ENVIRONMENT	Waste (Liquid/Slurry/Sludge/Solid/Semi-Solid/ Municipal Solid Wastes)	Boron (as B)	EPA 1311: 1992 & APHA 3120 B (24th Edition)
209	CHEMICAL- POLLUTION & ENVIRONMENT	Waste (Liquid/Slurry/Sludge/Solid/Semi-Solid/ Municipal Solid Wastes)	Cadmium (as Cd)	EPA 1311: 1992 & APHA 3120 B (24th Edition)
210	CHEMICAL- POLLUTION & ENVIRONMENT	Waste (Liquid/Slurry/Sludge/Solid/Semi-Solid/ Municipal Solid Wastes)	COD	SOP-TEST-34
211	CHEMICAL- POLLUTION & ENVIRONMENT	Waste (Liquid/Slurry/Sludge/Solid/Semi-Solid/ Municipal Solid Wastes)	Iron (as Fe)	EPA 1311: 1992 & APHA 3500 Fe B (24th Edition)
212	CHEMICAL- POLLUTION & ENVIRONMENT	Waste (Liquid/Slurry/Sludge/Solid/Semi-Solid/ Municipal Solid Wastes)	Iron (as Fe)	EPA 3050 B:1996 & APHA 3120 B (24th Edition)
213	CHEMICAL- POLLUTION & ENVIRONMENT	Waste (Liquid/Slurry/Sludge/Solid/Semi-Solid/ Municipal Solid Wastes)	Manganese (as Mn)	EPA 3050 B:1996 & APHA 3120 B (24th Edition)
214	CHEMICAL- POLLUTION & ENVIRONMENT	Waste (Liquid/Slurry/Sludge/Solid/Semi-Solid/ Municipal Solid Wastes)	Mercury (as Hg)	EPA 1311: 1992 & APHA 3120 B (24th Edition)
215	CHEMICAL- POLLUTION & ENVIRONMENT	Waste (Liquid/Slurry/Sludge/Solid/Semi-Solid/ Municipal Solid Wastes)	Mercury (as Hg)	EPA 3050 B:1996 & APHA 3120 B (24th Edition)
216	CHEMICAL- POLLUTION & ENVIRONMENT	Waste (Liquid/Slurry/Sludge/Solid/Semi-Solid/ Municipal Solid Wastes)	Moisture Content (Loss on Drying at 105 °C)	APHA 2540 G (24th Edition)
217	CHEMICAL- POLLUTION & ENVIRONMENT	Waste (Liquid/Slurry/Sludge/Solid/Semi-Solid/ Municipal Solid Wastes)	Nitrogen (Nitrate as NO3-N)	EPA 1311: 1992 & APHA 4500-NO3- E (24th Edition)
218	CHEMICAL- POLLUTION & ENVIRONMENT	Waste (Liquid/Slurry/Sludge/Solid/Semi-Solid/ Municipal Solid Wastes)	Oil & Grease (as O&G)	APHA 5520 E (24th Edition)
219	CHEMICAL- POLLUTION & ENVIRONMENT	Waste (Liquid/Slurry/Sludge/Solid/Semi-Solid/ Municipal Solid Wastes)	Organic Content (Loss on Ignition at 550 °C)	APHA 2540 G (24th Edition)
220	CHEMICAL- POLLUTION & ENVIRONMENT	Waste (Liquid/Slurry/Sludge/Solid/Semi-Solid/ Municipal Solid Wastes)	pH	EPA 9040 C
221	CHEMICAL- POLLUTION & ENVIRONMENT	Waste (Liquid/Slurry/Sludge/Solid/Semi-Solid/ Municipal Solid Wastes)	Phosphorous (as P)	EPA 1311: 1992 & APHA 4500-P E (24th Edition)
222	CHEMICAL- POLLUTION & ENVIRONMENT	Waste (Liquid/Slurry/Sludge/Solid/Semi-Solid/ Municipal Solid Wastes)	Sodium (as Na)	EPA 1311:1992 & APHA 3120 B: 2023 (24th Edition)
223	CHEMICAL- POLLUTION & ENVIRONMENT	Waste (Liquid/Slurry/Sludge/Solid/Semi-Solid/ Municipal Solid Wastes)	Sodium (as Na)	EPA 3050 B:1996 & APHA 3120 B (24th Edition)



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224	CHEMICAL- POLLUTION & ENVIRONMENT	Waste (Liquid/Slurry/Sludge/Solid/Semi-Solid/ Municipal Solid Wastes)	Sodium (as Na)	EPA 3050 B:1996 & APHA 3500-Na B (24th Edition)
225	CHEMICAL- POLLUTION & ENVIRONMENT	Waste (Liquid/Slurry/Sludge/Solid/Semi-Solid/ Municipal Solid Wastes)	Specific Gravity	APHA 2710 F (24th Edition)
226	CHEMICAL- POLLUTION & ENVIRONMENT	Waste (Liquid/Slurry/Sludge/Solid/Semi-Solid/ Municipal Solid Wastes)	Sulfide (as S ²⁻)	EPA 1311 : 1992 & APHA 4500-S ²⁻ - F (24th Edition)
227	CHEMICAL- POLLUTION & ENVIRONMENT	Waste (Liquid/Slurry/Sludge/Solid/Semi-Solid/ Municipal Solid Wastes)	Zinc (as Zn)	EPA 1311: 1992 & APHA 3120 B (24th Edition)
228	CHEMICAL- POLLUTION & ENVIRONMENT	Waste (Liquid/Slurry/Sludge/Solid/Semi-Solid/ Municipal Solid Wastes)	Zinc (as Zn)	EPA 3050 B:1996 & APHA 3120 B (24th Edition)
229	CHEMICAL- POLLUTION & ENVIRONMENT	Waste (Liquid/Slurry/Sludge/Solid/Semi-Solid/Municipal Solid Waste)	Nickel (as Ni)	EPA 3050 B: 1996 & APHA 3120 B
230	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/ Sewage/ Leachate)	Carbon Dioxide (CO ₂)	APHA 4500 CO ₂ - C
231	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/ Sewage/ Leachate)	Aluminum (as Al)	APHA 3500-Al B
232	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/ Sewage/ Leachate)	Chemical Oxygen Demand (as COD)	APHA 5220 B (24th Edition)
233	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/ Sewage/ Leachate)	Chromium (as Cr)	APHA 3500-Cr B (24th Edition)
234	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/ Sewage/ Leachate)	Chromium (Hexavalent as Cr+6)	APHA 3500-Cr B (24th Edition)
235	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/ Sewage/ Leachate)	Copper (as Cu)	APHA 3500 Cu C (24th Edition)
236	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/ Sewage/ Leachate)	Iron (as Fe)	APHA 3500 Fe B (24th Edition)
237	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/ Sewage/ Leachate)	Manganese (as Mn)	APHA 3500 Mn B (24th Edition)
238	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/ Sewage/ Leachate)	Nickel (as Ni)	IS 3025 (Part 54)
239	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/ Sewage/ Leachate)	Nitrogen (Kjeldahl Nitrogen as TKN)	APHA 4500-Norg B (24th Edition)
240	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/ Sewage/ Leachate)	Nitrogen (Total as N)	APHA 4500-N C (24th Edition)
241	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/ Sewage/ Leachate)	Oxygen (Dissolved as DO)	SOP-TEST-04
242	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/ Sewage/ Leachate)	Percent Sodium (as % Na)	SOP-TEST-05
243	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/ Sewage/ Leachate)	Sodium Adsorption Ratio (as SAR)	SOP-TEST-06



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244	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/ Sewage/ Leachate)	Arsenic (as As)	IS 3025 (Part 37)
245	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/ Sewage/ Leachate)	Chemical Oxygen Demand (as COD)	IS 3025 (Part 58)
246	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/ Sewage/ Leachate)	Acidity (as CaCO ₃)	APHA 2310 B (24th Edition)
247	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/ Sewage/ Leachate)	Alkalinity (Total as CaCO ₃)	APHA 2320 B (24th Edition)
248	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/ Sewage/ Leachate)	Aluminum (as Al)	APHA 3120 B (24th Edition)
249	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/ Sewage/ Leachate)	Arsenic (as As)	APHA 3120 B (24th Edition)
250	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/ Sewage/ Leachate)	Biochemical Oxygen Demand (3d at 27 °C as BOD)	IS 3025 (Part 44)
251	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/ Sewage/ Leachate)	Biochemical Oxygen Demand (5d at 20 °C as BOD)	APHA 5210 B (24th Edition)
252	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/ Sewage/ Leachate)	Boron (as B)	APHA 3120 B (24th Edition)
253	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/ Sewage/ Leachate)	Boron (as B)	APHA 4500-B (24th Edition)
254	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/ Sewage/ Leachate)	Cadmium (as Cd)	APHA 3120 B (24th Edition)
255	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/ Sewage/ Leachate)	Calcium (as Ca)	APHA 3500-Ca B (24th Edition)
256	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/ Sewage/ Leachate)	Chloride (as Cl ⁻)	APHA 4500-C (24th Edition)
257	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/ Sewage/ Leachate)	Chlorine (Residual as Cl ₂)	APHA 4500-Cl F (24th Edition)
258	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/ Sewage/ Leachate)	Chlorine (Residual as Cl ₂)	APHA 4500-Cl G DPD Colorimetric Method (24th Edition)
259	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/ Sewage/ Leachate)	Chromium (as Cr)	APHA 3120 B (24th Edition)
260	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/ Sewage/ Leachate)	Colour (Pt-Co Scale)	APHA 2120 C (24th Edition)
261	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/ Sewage/ Leachate)	Conductivity	APHA 2510 B (24th Edition)
262	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/ Sewage/ Leachate)	Copper (as Cu)	APHA 3120 B (24th Edition)
263	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/ Sewage/ Leachate)	Cyanide (as CN ⁻)	APHA 4500-CN- E (24th Edition)

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



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264	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/ Sewage/ Leachate)	Fixed Solids	APHA 2540 E (24th Edition)
265	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/ Sewage/ Leachate)	Fluoride (as F-)	APHA 4500-F D (24th Edition)
266	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/ Sewage/ Leachate)	Free Ammonia (as NH ₃)	SOP-TEST-33
267	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/ Sewage/ Leachate)	Hardness (as CaCO ₃)	APHA 2340 C (24th Edition)
268	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/ Sewage/ Leachate)	Iron (as Fe)	APHA 3120 B (24th Edition)
269	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/ Sewage/ Leachate)	Lead (as Pb)	APHA 3120 B (24th Edition)
270	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/ Sewage/ Leachate)	Magnesium (as Mg)	APHA 3500-Mg B (24th Edition)
271	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/ Sewage/ Leachate)	Manganese (as Mn)	APHA 3120 B (24th Edition)
272	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/ Sewage/ Leachate)	Mercury (as Hg)	APHA 3120 B (24th Edition)
273	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/ Sewage/ Leachate)	Nickel (as Ni)	APHA 3120 B (24th Edition)
274	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/ Sewage/ Leachate)	Nitrogen (Ammonia as NH ₃ -N)	APHA 4500-NH ₃ C (24th Edition)
275	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/ Sewage/ Leachate)	Nitrogen (Nitrate as NO ₃ -N)	APHA 4500-NO ₃ - B (24th Edition)
276	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/ Sewage/ Leachate)	Nitrogen (Nitrate as NO ₃ -N)	APHA 4500-NO ₃ - E (24th Edition)
277	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/ Sewage/ Leachate)	Nitrogen (Nitrite as NO ₂ -N)	APHA 4500-NO ₂ B (24th Edition)
278	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/ Sewage/ Leachate)	Nitrogen (Organic as Norg)	APHA 4500-Norg B (24th Edition)
279	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/ Sewage/ Leachate)	Oil & Grease (as O&G)	APHA 5520 D (24th Edition)
280	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/ Sewage/ Leachate)	Oxygen (Dissolved as DO)	APHA 4500-O C (24th Edition)
281	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/ Sewage/ Leachate)	pH	APHA 4500-H+ B (24th Edition)
282	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/ Sewage/ Leachate)	Phenol	APHA 5530 D (24th Edition)
283	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/ Sewage/ Leachate)	Phosphorus (as P)	APHA 4500-P C (24th Edition)



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284	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/ Sewage/ Leachate)	Potassium (as K)	APHA 3120 B (24th Edition)
285	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/ Sewage/ Leachate)	Potassium (as K)	APHA 3500-K B (24th Edition)
286	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/ Sewage/ Leachate)	Salinity	APHA 2520 B (24th Edition)
287	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/ Sewage/ Leachate)	Selenium (as Se)	APHA 3120 B (24th Edition)
288	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/ Sewage/ Leachate)	Settleable Solids	APHA 2540 F (24th Edition)
289	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/ Sewage/ Leachate)	Settleable Solids	APHA 2540 F (24th Edition)
290	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/ Sewage/ Leachate)	Silica (as SiO ₂)	APHA 4500-SiO ₂ C (24th Edition)
291	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/ Sewage/ Leachate)	Silica (as SiO ₂)	APHA 4500-SiO ₂ D (24th Edition)
292	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/ Sewage/ Leachate)	Sludge Volume Index (as SVI)	APHA 2710 D (24th Edition)
293	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/ Sewage/ Leachate)	Sodium (as Na)	APHA 3120 B (24th Edition)
294	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/ Sewage/ Leachate)	Sodium (as Na)	APHA 3500-Na B (24th Edition)
295	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/ Sewage/ Leachate)	Sulfate (as SO ₄ ²⁻)	APHA 4500-SO ₄ ²⁻ D (24th Edition)
296	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/ Sewage/ Leachate)	Sulfate (as SO ₄ ²⁻)	APHA 4500-SO ₄ ²⁻ E (24th Edition)
297	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/ Sewage/ Leachate)	Sulfide (as S ²⁻)	APHA 4500-S ²⁻ F (24th Edition)
298	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/ Sewage/ Leachate)	Sulfite (as SO ₃ ²⁻)	APHA 4500 SO ₃ ²⁻ B (24th Edition)
299	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/ Sewage/ Leachate)	Temperature	APHA 2550 B (24th Edition)
300	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/ Sewage/ Leachate)	Total Dissolved Solids	APHA 2540 C (24th Edition)
301	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/ Sewage/ Leachate)	Total Solids	APHA 2540 B (24th Edition)
302	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/ Sewage/ Leachate)	Total Suspended Solids	APHA 2540 D (24th Edition)
303	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/ Sewage/ Leachate)	Turbidity	APHA 2130 B (24th Edition)



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304	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/ Sewage/ Leachate)	Volatile Solids	APHA 2540 E (24th Edition)
305	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/ Sewage/ Leachate)	Zinc (as Zn)	APHA 3120 B (24th Edition)
306	CHEMICAL- POLLUTION & ENVIRONMENT	Waste(Liquid/Slurry/Sludge/Solid/Semi-Solid)	Corrosivity	SOP-Test-31
307	CHEMICAL- POLLUTION & ENVIRONMENT	Wastes (Liquid/Slurry/Sludge/Solid/Semi-Solid)	Chloride (as Cl-)	USEPA SW 846 Method 9253
308	CHEMICAL- POLLUTION & ENVIRONMENT	Wastes (Liquid/Slurry/Sludge/Solid/Semi-Solid)	Cyanide (as CN-)	EPA 1311 & APHA 4500-CN E (24th Edition)
309	CHEMICAL- POLLUTION & ENVIRONMENT	Wastes (Liquid/Slurry/Sludge/Solid/Semi-Solid)	Nitrite (as NO ₂ -N)	EPA 1311 & APHA 4500-NO ₂ B (24th Edition)
310	CHEMICAL- POLLUTION & ENVIRONMENT	Wastes (Liquid/Slurry/Sludge/Solid/Semi-Solid)	Nitrogen (Ammonia as NH ₃ -N)	EPA 1311:1992 & APHA 4500-NH ₃ C (24th Edition)
311	CHEMICAL- POLLUTION & ENVIRONMENT	Wastes (Liquid/Slurry/Sludge/Solid/Semi-Solid)	Reactivity	SOP-Test-32
312	CHEMICAL- POLLUTION & ENVIRONMENT	Wastes (Liquid/Slurry/Sludge/Solid/Semi-Solid)	Sulphate (as SO ₄ -2)	USEPA 846 Method 9038
313	CHEMICAL- RESIDUES IN WATER	Water	Aluminum (as Al)	APHA 3120 B (24th Edition)
314	CHEMICAL- RESIDUES IN WATER	Water	Arsenic (as As)	APHA 3120 B (24th Edition)
315	CHEMICAL- RESIDUES IN WATER	Water	Boron (as B)	APHA 3120 B (24th Edition)
316	CHEMICAL- RESIDUES IN WATER	Water	Cadmium (as Cd)	APHA 3120 B (24th Edition)
317	CHEMICAL- RESIDUES IN WATER	Water	Chromium (as Cr)	APHA 3120 B (24th Edition)
318	CHEMICAL- RESIDUES IN WATER	Water	Copper (as Cu)	APHA 3120 B (24th Edition)
319	CHEMICAL- RESIDUES IN WATER	Water	Iron (as Fe)	APHA 3120 B (24th Edition)
320	CHEMICAL- RESIDUES IN WATER	Water	Lead (as Pb)	APHA 3120 B (24th Edition)
321	CHEMICAL- RESIDUES IN WATER	Water	Manganese (as Mn)	APHA 3120 B (24th Edition)
322	CHEMICAL- RESIDUES IN WATER	Water	Mercury (as Hg)	APHA 3120 B (24th Edition)
323	CHEMICAL- RESIDUES IN WATER	Water	Nickel (as Ni)	APHA 3120 B (24th Edition)



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324	CHEMICAL- RESIDUES IN WATER	Water	Phenol	IS 3025 (Part 43, Sec 1)
325	CHEMICAL- RESIDUES IN WATER	Water	Potassium (as K)	APHA 3120 B (24th Edition)
326	CHEMICAL- RESIDUES IN WATER	Water	Selenium (as Se)	APHA 3120 B (24th Edition)
327	CHEMICAL- RESIDUES IN WATER	Water	Sodium (as Na)	APHA 3120 B (24th Edition)
328	CHEMICAL- RESIDUES IN WATER	Water	Zinc (as Zn)	APHA 3120 B (24th Edition)
329	CHEMICAL- WATER	Ground Water	Sulfide (as S ²⁻)	IS 3025 (Part 29)
330	CHEMICAL- WATER	Drinking Water	Chromium (Hexavalent as Cr+6)	APHA 3500-Cr B (24th Edition)
331	CHEMICAL- WATER	Drinking Water	Iron (as Fe)	APHA 3500 Fe B (24th Edition)
332	CHEMICAL- WATER	Drinking Water	Potassium (as K)	APHA 3500-K B (24th Edition)
333	CHEMICAL- WATER	Drinking Water	Sodium (as Na)	APHA 3500-Na B (24th Edition)
334	CHEMICAL- WATER	Drinking Water/ Potable Water	Alkalinity (Total as CaCO ₃)	APHA 2320 B (24th Edition)
335	CHEMICAL- WATER	Drinking Water/ Potable Water	Calcium (as Ca)	APHA 3500-Ca B (24th Edition)
336	CHEMICAL- WATER	Drinking Water/ Potable Water	Chloride (as Cl ⁻)	APHA 4500-Cl- B (24th Edition)
337	CHEMICAL- WATER	Drinking Water/ Potable Water	Chlorine (Residual as Cl ₂)	APHA 4500-Cl F (24th Edition)
338	CHEMICAL- WATER	Drinking Water/ Potable Water	Chlorine (Residual as Cl ₂)	APHA 4500-Cl G DPD Colorimetric Method (24th Edition)
339	CHEMICAL- WATER	Drinking Water/ Potable Water	Colour (Pt-Co Scale)	APHA 2120 C (24th Edition)
340	CHEMICAL- WATER	Drinking Water/ Potable Water	Conductivity	APHA 2510 B (24th Edition)
341	CHEMICAL- WATER	Drinking Water/ Potable Water	Cyanide (as CN ⁻)	APHA 4500-CN- E (24th Edition)
342	CHEMICAL- WATER	Drinking Water/ Potable Water	Fluoride (as F ⁻)	APHA 4500-F- D (24th Edition)
343	CHEMICAL- WATER	Drinking Water/ Potable Water	Hardness (as CaCO ₃)	APHA 2340 C (24th Edition)
344	CHEMICAL- WATER	Drinking Water/ Potable Water	Magnesium (as Mg)	APHA 3500-Mg B (24th Edition)
345	CHEMICAL- WATER	Drinking Water/ Potable Water	Nitrogen (Ammonia as NH ₃ -N)	APHA 4500-NH ₃ C (24th Edition)
346	CHEMICAL- WATER	Drinking Water/ Potable Water	Nitrogen (Ammonia as NH ₃ -N)	APHA 4500-NH ₃ F (24th Edition)
347	CHEMICAL- WATER	Drinking Water/ Potable Water	Nitrogen (Nitrate as NO ₃ -N)	APHA 4500-NO ₃ - B (24th Edition)
348	CHEMICAL- WATER	Drinking Water/ Potable Water	Nitrogen (Nitrate as NO ₃ -N)	APHA 4500-NO ₃ - E (24th Edition)

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349	CHEMICAL- WATER	Drinking Water/ Potable Water	Odour	IS 3025 (Part 5)
350	CHEMICAL- WATER	Drinking Water/ Potable Water	pH	APHA 4500-H+ B (24th Edition)
351	CHEMICAL- WATER	Drinking Water/ Potable Water	Sulfate (as SO ₄ ²⁻)	APHA 4500-SO ₄ ²⁻ - D (24th Edition)
352	CHEMICAL- WATER	Drinking Water/ Potable Water	Sulfate (as SO ₄ ²⁻)	APHA 4500-SO ₄ ²⁻ - E (24th Edition)
353	CHEMICAL- WATER	Drinking Water/ Potable Water	Sulfide (as S ²⁻)	IS 3025 (Part 29)
354	CHEMICAL- WATER	Drinking Water/ Potable Water	Sulfide (as S ²⁻)	APHA 4500-S ²⁻ - F (24th Edition)
355	CHEMICAL- WATER	Drinking Water/ Potable Water	Taste	IS 3025 (Part 8)
356	CHEMICAL- WATER	Drinking Water/ Potable Water	Total Dissolved Solids	APHA 2540 C (24th Edition)
357	CHEMICAL- WATER	Drinking Water/ Potable Water	Turbidity	APHA 2130 B (24th Edition)
358	CHEMICAL- WATER	Ground Water	Acidity (as CaCO ₃)	APHA 2310 B (24th Edition)
359	CHEMICAL- WATER	Ground Water	Alkalinity (as CaCO ₃)	APHA 2320 B (24th Edition)
360	CHEMICAL- WATER	Ground Water	Biochemical Oxygen Demand (3d at 27 °C as BOD)	IS 3025 (Part 44)
361	CHEMICAL- WATER	Ground Water	Biochemical Oxygen Demand (5d at 20 °C as BOD)	APHA 5210 B (24th Edition)
362	CHEMICAL- WATER	Ground Water	Boron (as B)	APHA 4500-B B (24th Edition)
363	CHEMICAL- WATER	Ground Water	Calcium (as Ca)	APHA 3500-Ca B (24th Edition)
364	CHEMICAL- WATER	Ground Water	Chemical Oxygen Demand (as COD)	APHA 5220 B (24th Edition)
365	CHEMICAL- WATER	Ground Water	Chemical Oxygen Demand (as COD)	IS 3025 (Part 58)
366	CHEMICAL- WATER	Ground Water	Chloride (as Cl ⁻)	APHA 4500-Cl- B (24th Edition)
367	CHEMICAL- WATER	Ground Water	Chlorine (Residual as Cl ₂)	APHA 4500-Cl F (24th Edition)
368	CHEMICAL- WATER	Ground Water	Chlorine (Residual as Cl ₂)	APHA 4500-Cl G DPD Colorimetric Method (24th Edition)
369	CHEMICAL- WATER	Ground Water	Chromium (Hexavalent as Cr ⁺⁶)	APHA 3500-Cr B (24th Edition)
370	CHEMICAL- WATER	Ground Water	Colour (Pt-Co Scale)	APHA 2120 C (24th Edition)
371	CHEMICAL- WATER	Ground Water	Conductivity	APHA 2510 B (24th Edition)
372	CHEMICAL- WATER	Ground Water	Cyanide (as CN ⁻)	APHA 4500-CN- E (24th Edition)
373	CHEMICAL- WATER	Ground Water	Fluoride (as F ⁻)	APHA 4500-F- D (24th Edition)
374	CHEMICAL- WATER	Ground Water	Free Carbon Dioxide (as CO ₂)	APHA 4500-CO ₂ C (24th Edition)



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375	CHEMICAL- WATER	Ground Water	Hardness (as CaCO ₃)	APHA 2340 C (24th Edition)
376	CHEMICAL- WATER	Ground Water	Iron (as Fe)	APHA 3500 Fe B (24th Edition)
377	CHEMICAL- WATER	Ground Water	Magnesium (as Mg)	APHA 3500-Mg B (24th Edition)
378	CHEMICAL- WATER	Ground Water	Nitrogen (Ammonia as NH ₃ -N)	APHA 4500-NH ₃ C (24th Edition)
379	CHEMICAL- WATER	Ground Water	Nitrogen (Ammonia as NH ₃ -N)	APHA 4500-NH ₃ F (24th Edition)
380	CHEMICAL- WATER	Ground Water	Nitrogen (Kjeldahl Nitrogen as TKN)	APHA 4500-Norg B (24th Edition)
381	CHEMICAL- WATER	Ground Water	Nitrogen (Nitrate as NO ₃ -N)	APHA 4500-NO ₃ - B (24th Edition)
382	CHEMICAL- WATER	Ground Water	Nitrogen (Nitrate as NO ₃ -N)	APHA 4500-NO ₃ - E (24th Edition)
383	CHEMICAL- WATER	Ground Water	Nitrogen (Nitrite as NO ₂ -N)	APHA 4500-NO ₂ B (24th Edition)
384	CHEMICAL- WATER	Ground Water	Nitrogen (Organic as Norg)	APHA 4500-Norg B (24th Edition)
385	CHEMICAL- WATER	Ground Water	Nitrogen (Total as N)	APHA 4500-N C (24th Edition)
386	CHEMICAL- WATER	Ground Water	Odour	IS 3025 (Part 5)
387	CHEMICAL- WATER	Ground Water	Oil & Grease (as O&G)	APHA 5520 D (24th Edition)
388	CHEMICAL- WATER	Ground Water	Oxygen (Dissolved as DO)	APHA 4500-O C (24th Edition)
389	CHEMICAL- WATER	Ground Water	Percent Sodium (as % Na)	SOP-TEST-05
390	CHEMICAL- WATER	Ground Water	pH	APHA 4500-H+ B (24th Edition)
391	CHEMICAL- WATER	Ground Water	Phosphorous (as P)	APHA 4500-P C (24th Edition)
392	CHEMICAL- WATER	Ground Water	Potassium (as K)	APHA 3500-K B (24th Edition)
393	CHEMICAL- WATER	Ground Water	Salinity (as SPSS)	APHA 2520 B (24th Edition)
394	CHEMICAL- WATER	Ground Water	Settleable Solids	APHA 2540 F (24th Edition)
395	CHEMICAL- WATER	Ground Water	Settleable Solids	APHA 2540 F (24th Edition)
396	CHEMICAL- WATER	Ground Water	Silica (as SiO ₂)	APHA 4500-SiO ₂ C (24th Edition)
397	CHEMICAL- WATER	Ground Water	Silica (as SiO ₂)	APHA 4500-SiO ₂ D (24th Edition)
398	CHEMICAL- WATER	Ground Water	Sodium (as Na)	APHA 3500-Na B (24th Edition)
399	CHEMICAL- WATER	Ground Water	Sodium Adsorption Ratio (SAR)	SOP-TEST-06
400	CHEMICAL- WATER	Ground Water	Sulfate (as SO ₄ ²⁻)	APHA 4500- SO ₄ ²⁻ D (24th Edition)



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401	CHEMICAL- WATER	Ground Water	Sulfate (as SO ₄ ²⁻)	APHA 4500-SO ₄ ²⁻ - E (24th Edition)
402	CHEMICAL- WATER	Ground Water	Sulfide (as S ₂ ⁻)	APHA 4500-S ₂ ⁻ - F (24th Edition)
403	CHEMICAL- WATER	Ground Water	Taste	IS 3025 (Part 8)
404	CHEMICAL- WATER	Ground Water	Temperature	APHA 2550 B (24th Edition)
405	CHEMICAL- WATER	Ground Water	Total Dissolved Solids	APHA 2540 C (24th Edition)
406	CHEMICAL- WATER	Ground Water	Total Solids	APHA 2540 B (24th Edition)
407	CHEMICAL- WATER	Ground Water	Total Suspended Solids	APHA 2540 D (24th Edition)
408	CHEMICAL- WATER	Ground Water	Turbidity	APHA 2130 B (24th Edition)
409	CHEMICAL- WATER	Industrial Water	Acidity (as CaCO ₃)	APHA 2310 B (24th Edition)
410	CHEMICAL- WATER	Industrial Water	Alkalinity (as CaCO ₃)	APHA 2320 B (24th Edition)
411	CHEMICAL- WATER	Industrial Water	Biochemical Oxygen Demand (3d at 27 °C as BOD)	IS 3025 (Part 44)
412	CHEMICAL- WATER	Industrial Water	Biochemical Oxygen Demand (5d at 20 °C as BOD)	APHA 5210 B (24th Edition)
413	CHEMICAL- WATER	Industrial Water	Calcium (as Ca)	APHA 3500-Ca B (24th Edition)
414	CHEMICAL- WATER	Industrial Water	Chemical Oxygen Demand (as COD)	APHA 5220 B (24th Edition)
415	CHEMICAL- WATER	Industrial Water	Chemical Oxygen Demand (as COD)	IS 3025 (Part 58)
416	CHEMICAL- WATER	Industrial Water	Chloride (as Cl ⁻)	APHA 4500-Cl ⁻ - B (24th Edition)
417	CHEMICAL- WATER	Industrial Water	Chlorine (Residual as Cl ₂)	APHA 4500-Cl ₂ - F (24th Edition)
418	CHEMICAL- WATER	Industrial Water	Chlorine (Residual as Cl ₂)	APHA 4500-Cl ₂ - G DPD Colorimetric Method (24th Edition)
419	CHEMICAL- WATER	Industrial Water	Chromium (Hexavalent as Cr ⁺⁶)	APHA 3500-Cr B (24th Edition)
420	CHEMICAL- WATER	Industrial Water	Colour (Pt-Co Scale)	APHA 2120 C (24th Edition)
421	CHEMICAL- WATER	Industrial Water	Conductivity	APHA 2510 B (24th Edition)
422	CHEMICAL- WATER	Industrial Water	Cyanide (as CN ⁻)	APHA 4500-CN ⁻ - E (24th Edition)
423	CHEMICAL- WATER	Industrial Water	Fluoride (as F ⁻)	APHA 4500-F ⁻ - D (24th Edition)
424	CHEMICAL- WATER	Industrial Water	Free Carbon Dioxide (as CO ₂)	APHA 4500-CO ₂ - C (24th Edition)
425	CHEMICAL- WATER	Industrial Water	Hardness (as CaCO ₃)	APHA 2340 C (24th Edition)
426	CHEMICAL- WATER	Industrial Water	Iron (as Fe)	APHA 3500-Fe B (24th Edition)
427	CHEMICAL- WATER	Industrial Water	Magnesium (as Mg)	APHA 3500-Mg B (24th Edition)

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428	CHEMICAL- WATER	Industrial Water	Nitrogen (Ammonia as NH ₃ -N)	APHA 4500-NH ₃ C (24th Edition)
429	CHEMICAL- WATER	Industrial Water	Nitrogen (Ammonia as NH ₃ -N)	APHA 4500-NH ₃ F (24th Edition)
430	CHEMICAL- WATER	Industrial Water	Nitrogen (Kjeldahl Nitrogen as TKN)	APHA 4500-Norg B (24th Edition)
431	CHEMICAL- WATER	Industrial Water	Nitrogen (Nitrate as NO ₃ -N)	APHA 4500-NO ₃ - B (24th Edition)
432	CHEMICAL- WATER	Industrial Water	Nitrogen (Nitrate as NO ₃ -N)	APHA 4500-NO ₃ - E (24th Edition)
433	CHEMICAL- WATER	Industrial Water	Nitrogen (Nitrite as NO ₂ -N)	APHA 4500-NO ₂ B (24th Edition)
434	CHEMICAL- WATER	Industrial Water	Nitrogen (Organic as Norg)	APHA 4500-Norg B (24th Edition)
435	CHEMICAL- WATER	Industrial Water	Nitrogen (Total as N)	APHA 4500-N C (24th Edition)
436	CHEMICAL- WATER	Industrial Water	Oil & Grease (as O&G)	APHA 5520 D (24th Edition)
437	CHEMICAL- WATER	Industrial Water	Oxygen (Dissolved as DO)	APHA 4500-O C (24th Edition)
438	CHEMICAL- WATER	Industrial Water	Percent Sodium (as % Na)	SOP-TEST-05
439	CHEMICAL- WATER	Industrial Water	pH	APHA 4500-H+ B (24th Edition)
440	CHEMICAL- WATER	Industrial Water	Phosphorous (as P)	APHA 4500-P C (24th Edition)
441	CHEMICAL- WATER	Industrial Water	Potassium (as K)	APHA 3500-K B (24th Edition)
442	CHEMICAL- WATER	Industrial Water	Residual Sodium Carbonate (as RSC)	SOP-TEST-11
443	CHEMICAL- WATER	Industrial Water	Salinity (as SPSS)	APHA 2520 B (24th Edition)
444	CHEMICAL- WATER	Industrial Water	Settleable Solids	APHA 2540 F (24th Edition)
445	CHEMICAL- WATER	Industrial Water	Settleable Solids	APHA 2540 F (24th Edition)
446	CHEMICAL- WATER	Industrial Water	Silica (as SiO ₂)	APHA 4500-SiO ₂ C (24th Edition)
447	CHEMICAL- WATER	Industrial Water	Silica (as SiO ₂)	APHA 4500-SiO ₂ D (24th Edition)
448	CHEMICAL- WATER	Industrial Water	Sodium (as Na)	APHA 3500-Na B (24th Edition)
449	CHEMICAL- WATER	Industrial Water	Sodium Adsorption Ratio (as SAR)	SOP-TEST-06
450	CHEMICAL- WATER	Industrial Water	Sulfate (as SO ₄ ²⁻)	APHA 4500-SO ₄ ²⁻ D (24th Edition)
451	CHEMICAL- WATER	Industrial Water	Sulfate (as SO ₄ ²⁻)	APHA 4500-SO ₄ ²⁻ E (24th Edition)
452	CHEMICAL- WATER	Industrial Water	Sulfide (as S ₂ ⁻)	APHA 4500-S ₂ ⁻ F (24th Edition)

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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
453	CHEMICAL- WATER	Industrial Water	Sulfide (as S ₂ -)	IS 3025 (Part 29)
454	CHEMICAL- WATER	Industrial Water	Sulfite (as SO ₃ -2)	APHA 4500 SO ₃ -2 B (24th Edition)
455	CHEMICAL- WATER	Industrial Water	Temperature	APHA 2550 B (24th Edition)
456	CHEMICAL- WATER	Industrial Water	Total Dissolved Solids	APHA 2540 C (24th Edition)
457	CHEMICAL- WATER	Industrial Water	Total Solids	APHA 2540 B (24th Edition)
458	CHEMICAL- WATER	Industrial Water	Total Suspended Solids	APHA 2540 D (24th Edition)
459	CHEMICAL- WATER	Industrial Water	Turbidity	APHA 2130 B (24th Edition)
460	CHEMICAL- WATER	Irrigation Water	Alkalinity (as CaCO ₃)	APHA 2320 B (24th Edition)
461	CHEMICAL- WATER	Irrigation Water	Boron (as B)	APHA 4500-B B (24th Edition)
462	CHEMICAL- WATER	Irrigation Water	Calcium (as Ca)	APHA 3500-Ca B (24th Edition)
463	CHEMICAL- WATER	Irrigation Water	Chromium (Hexavalent as Cr+6)	APHA 3500-Cr B (24th Edition)
464	CHEMICAL- WATER	Irrigation Water	Conductivity	APHA 2510 B (24th Edition)
465	CHEMICAL- WATER	Irrigation Water	Hardness (as CaCO ₃)	APHA 2340 C (24th Edition)
466	CHEMICAL- WATER	Irrigation Water	Iron (as Fe)	APHA 3500 Fe B (24th Edition)
467	CHEMICAL- WATER	Irrigation Water	Magnesium (as Mg)	APHA 3500-Mg B (24th Edition)
468	CHEMICAL- WATER	Irrigation Water	Nitrogen (Nitrate as NO ₃ -N)	APHA 4500-NO ₃ - B (24th Edition)
469	CHEMICAL- WATER	Irrigation Water	Nitrogen (Nitrate as NO ₃ -N)	APHA 4500-NO ₃ - E (24th Edition)
470	CHEMICAL- WATER	Irrigation Water	Percent Sodium (as % Na)	SOP-TEST-05
471	CHEMICAL- WATER	Irrigation Water	pH	APHA 4500-H+ B (24th Edition)
472	CHEMICAL- WATER	Irrigation Water	Potassium (as K)	APHA 3500-K B (24th Edition)
473	CHEMICAL- WATER	Irrigation Water	Residual Sodium Carbonate (as RSC)	SOP-TEST-11
474	CHEMICAL- WATER	Irrigation Water	Salinity (as SPSS)	APHA 2520 B (24th Edition)
475	CHEMICAL- WATER	Irrigation Water	Sodium (as Na)	APHA 3500-Na B (24th Edition)
476	CHEMICAL- WATER	Irrigation Water	Sodium Adsorption Ratio (as SAR)	SOP-TEST-06
477	CHEMICAL- WATER	Irrigation Water	Sulfate (as SO ₄ 2-)	APHA 4500-SO ₄ 2- D (24th Edition)
478	CHEMICAL- WATER	Irrigation Water	Sulfate (as SO ₄ 2-)	APHA 4500-SO ₄ 2- E (24th Edition)
479	CHEMICAL- WATER	Packaged Drinking Water	Calcium (as Ca)	APHA 3500-Ca B (24th Edition)
480	CHEMICAL- WATER	Packaged Drinking Water	Chloride (as Cl-)	APHA 4500-Cl- B (24th Edition)

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481	CHEMICAL- WATER	Packaged Drinking Water	Chlorine (Residual as Cl ₂)	APHA 4500-Cl F (24th Edition)
482	CHEMICAL- WATER	Packaged Drinking Water	Chlorine (Residual as Cl ₂)	APHA 4500-Cl G DPD Colorimetric Method (24th Edition)
483	CHEMICAL- WATER	Packaged Drinking Water	Chromium (Hexavalent as Cr+6)	APHA 3500-Cr B (24th Edition)
484	CHEMICAL- WATER	Packaged Drinking Water	Colour (Pt-Co Scale)	APHA 2120 C (24th Edition)
485	CHEMICAL- WATER	Packaged Drinking Water	Conductivity	APHA 2510 B (24th Edition)
486	CHEMICAL- WATER	Packaged Drinking Water	Cyanide (as CN ⁻)	APHA 4500-CN- E (24th Edition)
487	CHEMICAL- WATER	Packaged Drinking Water	Fluoride (as F ⁻)	APHA 4500-F- D (24th Edition)
488	CHEMICAL- WATER	Packaged Drinking Water	Hardness (as CaCO ₃)	APHA 2340 C (24th Edition)
489	CHEMICAL- WATER	Packaged Drinking Water	Iron (as Fe)	APHA 3500 Fe B (24th Edition)
490	CHEMICAL- WATER	Packaged Drinking Water	Magnesium (as Mg)	APHA 3500-Mg B (24th Edition)
491	CHEMICAL- WATER	Packaged Drinking Water	Nitrogen (Nitrate as NO ₃ -N)	APHA 4500-NO ₃ - B (24th Edition)
492	CHEMICAL- WATER	Packaged Drinking Water	Nitrogen (Nitrate as NO ₃ -N)	APHA 4500-NO ₃ - E (24th Edition)
493	CHEMICAL- WATER	Packaged Drinking Water	Nitrogen (Nitrite as NO ₂ -N)	APHA 4500-NO ₂ B (24th Edition)
494	CHEMICAL- WATER	Packaged Drinking Water	Odour	IS 3025 (Part 5)
495	CHEMICAL- WATER	Packaged Drinking Water	pH	APHA 4500-H+ B (24th Edition)
496	CHEMICAL- WATER	Packaged Drinking Water	Potassium (as K)	APHA 3500-K B (24th Edition)
497	CHEMICAL- WATER	Packaged Drinking Water	Sodium (as Na)	APHA 3500-Na B (24th Edition)
498	CHEMICAL- WATER	Packaged Drinking Water	Sulfate (as SO ₄ ²⁻)	APHA 4500-SO ₄ ²⁻ D (24th Edition)
499	CHEMICAL- WATER	Packaged Drinking Water	Sulfate (as SO ₄ ²⁻)	APHA 4500-SO ₄ ²⁻ E (24th Edition)
500	CHEMICAL- WATER	Packaged Drinking Water	Sulfide (as S ₂ ⁻)	APHA 4500-S ₂ ⁻ F (24th Edition)
501	CHEMICAL- WATER	Packaged Drinking Water	Sulfide (as S ₂ ⁻)	IS 3025 (Part 29)
502	CHEMICAL- WATER	Packaged Drinking Water	Taste	IS 3025 (Part 8)
503	CHEMICAL- WATER	Packaged Drinking Water	Total Dissolved Solids	APHA 2540 C (24th Edition)
504	CHEMICAL- WATER	Packaged Drinking Water	Turbidity	APHA 2130 B (24th Edition)
505	CHEMICAL- WATER	Packaged Natural Mineral Water	Alkalinity (as CaCO ₃)	APHA 2320 B (24th Edition)
506	CHEMICAL- WATER	Packaged Natural Mineral Water	Alkalinity (as CaCO ₃)	APHA 2320 B (24th Edition)
507	CHEMICAL- WATER	Packaged Natural Mineral Water	Boron (as B)	APHA 4500-B B (24th Edition)
508	CHEMICAL- WATER	Packaged Natural Mineral Water	Calcium (as Ca)	APHA 3500-Ca B (24th Edition)

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509	CHEMICAL- WATER	Packaged Natural Mineral Water	Chloride (as Cl-)	APHA 4500-Cl- B (24th Edition)
510	CHEMICAL- WATER	Packaged Natural Mineral Water	Chromium (Hexavalent as Cr+6)	APHA 3500-Cr B (24th Edition)
511	CHEMICAL- WATER	Packaged Natural Mineral Water	Colour (Pt-Co Scale)	APHA 2120 C (24th Edition)
512	CHEMICAL- WATER	Packaged Natural Mineral Water	Conductivity	APHA 2510 B (24th Edition)
513	CHEMICAL- WATER	Packaged Natural Mineral Water	Cyanide (as CN-)	APHA 4500-CN- E (24th Edition)
514	CHEMICAL- WATER	Packaged Natural Mineral Water	Fluoride (as F-)	APHA 4500-F- D (24th Edition)
515	CHEMICAL- WATER	Packaged Natural Mineral Water	Hardness (as CaCO ₃)	APHA 2340 C (24th Edition)
516	CHEMICAL- WATER	Packaged Natural Mineral Water	Iron (as Fe)	APHA 3500 Fe B (24th Edition)
517	CHEMICAL- WATER	Packaged Natural Mineral Water	Magnesium (as Mg)	APHA 3500-Mg B (24th Edition)
518	CHEMICAL- WATER	Packaged Natural Mineral Water	Nitrogen (Nitrate as NO ₃ -N)	APHA 4500-NO ₃ - B (24th Edition)
519	CHEMICAL- WATER	Packaged Natural Mineral Water	Nitrogen (Nitrate as NO ₃ -N)	APHA 4500-NO ₃ - E (24th Edition)
520	CHEMICAL- WATER	Packaged Natural Mineral Water	Nitrogen (Nitrite as NO ₂ -N)	APHA 4500-NO ₂ B (24th Edition)
521	CHEMICAL- WATER	Packaged Natural Mineral Water	Odour	IS 3025 (Part 5)
522	CHEMICAL- WATER	Packaged Natural Mineral Water	pH	APHA 4500-H+ B (24th Edition)
523	CHEMICAL- WATER	Packaged Natural Mineral Water	Potassium (as K)	APHA 3500-K B (24th Edition)
524	CHEMICAL- WATER	Packaged Natural Mineral Water	Sodium (as Na)	APHA 3500-Na B (24th Edition)
525	CHEMICAL- WATER	Packaged Natural Mineral Water	Sulfate (as SO ₄ 2-)	APHA 4500-SO ₄ 2- D (24th Edition)
526	CHEMICAL- WATER	Packaged Natural Mineral Water	Sulfate (as SO ₄ 2-)	APHA 4500-SO ₄ 2- E (24th Edition)
527	CHEMICAL- WATER	Packaged Natural Mineral Water	Sulfide (as S ₂ -)	APHA 4500-S ₂ - F (24th Edition)
528	CHEMICAL- WATER	Packaged Natural Mineral Water	Sulfide (as S ₂ -)	IS 3025 (Part 29)
529	CHEMICAL- WATER	Packaged Natural Mineral Water	Taste	IS 3025 (Part 8)
530	CHEMICAL- WATER	Packaged Natural Mineral Water	Total Dissolved Solids	APHA 2540 C (24th Edition)
531	CHEMICAL- WATER	Packaged Natural Mineral Water	Turbidity	APHA 2130 B (24th Edition)
532	CHEMICAL- WATER	Surface Water	Cyanide (as CN-)	APHA 4500-CN- E (24th Edition)
533	CHEMICAL- WATER	Surface Water	Acidity (as CaCO ₃)	APHA 2310 B (24th Edition)
534	CHEMICAL- WATER	Surface Water	Alkalinity (Total as CaCO ₃)	APHA 2320 B (24th Edition)
535	CHEMICAL- WATER	Surface Water	Biochemical Oxygen Demand (3d at 27 °C as BOD)	IS 3025 (Part 44)
536	CHEMICAL- WATER	Surface Water	Biochemical Oxygen Demand (5d at 20 °C as BOD)	APHA 5210 B (24th Edition)

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537	CHEMICAL- WATER	Surface Water	Calcium (as Ca)	APHA 3500-Ca B (24th Edition)
538	CHEMICAL- WATER	Surface Water	Chemical Oxygen Demand (as COD)	APHA 5220 B (24th Edition)
539	CHEMICAL- WATER	Surface Water	Chemical Oxygen Demand (as COD)	IS 3025 (Part 58)
540	CHEMICAL- WATER	Surface Water	Chloride (as Cl-)	APHA 4500-Cl- B (24th Edition)
541	CHEMICAL- WATER	Surface Water	Chromium (Hexavalent as Cr+6)	APHA 3500-Cr B (24th Edition)
542	CHEMICAL- WATER	Surface Water	Colour (Pt-Co Scale)	APHA 2120 C (24th Edition)
543	CHEMICAL- WATER	Surface Water	Conductivity	APHA 2510 B (24th Edition)
544	CHEMICAL- WATER	Surface Water	Fluoride (as F-)	APHA 4500-F- D (24th Edition)
545	CHEMICAL- WATER	Surface Water	Free Ammonia (as NH3)	SOP-TEST-33
546	CHEMICAL- WATER	Surface Water	Free Carbon Dioxide (as CO2)	APHA 4500-CO2 C (24th Edition)
547	CHEMICAL- WATER	Surface Water	Hardness (as CaCO3)	APHA 2340 C (24th Edition)
548	CHEMICAL- WATER	Surface Water	Iron (as Fe)	APHA 3500 Fe B (24th Edition)
549	CHEMICAL- WATER	Surface Water	Magnesium (as Mg)	APHA 3500-Mg B (24th Edition)
550	CHEMICAL- WATER	Surface Water	Nitrogen (Ammonia as NH3-N)	APHA 4500-NH3 F (24th Edition)
551	CHEMICAL- WATER	Surface Water	Nitrogen (Ammonia as NH3-N)	APHA 4500-NH3 C (24th Edition)
552	CHEMICAL- WATER	Surface Water	Nitrogen (Kjeldahl Nitrogen as TKN)	APHA 4500-Norg B (24th Edition)
553	CHEMICAL- WATER	Surface Water	Nitrogen (Nitrate as NO3-N)	APHA 4500-NO3- B (24th Edition)
554	CHEMICAL- WATER	Surface Water	Nitrogen (Nitrate as NO3-N)	APHA 4500-NO3- E (24th Edition)
555	CHEMICAL- WATER	Surface Water	Nitrogen (Nitrite as NO2-N)	APHA 4500-NO2 B (24th Edition)
556	CHEMICAL- WATER	Surface Water	Nitrogen (Organic as Norg)	APHA 4500-Norg B (24th Edition)
557	CHEMICAL- WATER	Surface Water	Nitrogen (Total as N)	APHA 4500-N C (24th Edition)
558	CHEMICAL- WATER	Surface Water	Odour	IS 3025 (Part 5)
559	CHEMICAL- WATER	Surface Water	Oil & Grease (as O&G)	APHA 5520 D (24th Edition)
560	CHEMICAL- WATER	Surface Water	Oxygen (Dissolved as DO)	APHA 4500-O C (24th Edition)
561	CHEMICAL- WATER	Surface Water	Percent Sodium (as % Na)	SOP-TEST-05
562	CHEMICAL- WATER	Surface Water	pH	APHA 4500-H+ B (24th Edition)

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563	CHEMICAL- WATER	Surface Water	Phosphorous (as P)	APHA 4500-P C (24th Edition)
564	CHEMICAL- WATER	Surface Water	Potassium (as K)	APHA 3500-K B (24th Edition)
565	CHEMICAL- WATER	Surface Water	Salinity (as SPSS)	APHA 2520 B (24th Edition)
566	CHEMICAL- WATER	Surface Water	Settleable Solids	APHA 2540 F (24th Edition)
567	CHEMICAL- WATER	Surface Water	Settleable Solids	APHA 2540 F (24th Edition)
568	CHEMICAL- WATER	Surface Water	Silica (as SiO ₂)	APHA 4500-SiO ₂ C (24th Edition)
569	CHEMICAL- WATER	Surface Water	Silica (as SiO ₂)	APHA 4500-SiO ₂ D (24th Edition)
570	CHEMICAL- WATER	Surface Water	Sodium (as Na)	APHA 3500-Na B (24th Edition)
571	CHEMICAL- WATER	Surface Water	Sodium Adsorption Ratio (SAR)	SOP-TEST-06, Issue No.: 01, Issue Date: 20.12
572	CHEMICAL- WATER	Surface Water	Sulfate (as SO ₄ ²⁻)	APHA 4500-SO ₄ ²⁻ E (24th Edition)
573	CHEMICAL- WATER	Surface Water	Sulfate (as SO ₄ ²⁻)	APHA 4500-SO ₄ ²⁻ D (24th Edition)
574	CHEMICAL- WATER	Surface Water	Sulfide (as S ₂ ⁻)	APHA 4500-S ₂ ⁻ F (24th Edition)
575	CHEMICAL- WATER	Surface Water	Sulfide (as S ₂ ⁻)	IS 3025 (Part 29)
576	CHEMICAL- WATER	Surface Water	Sulfite (as SO ₃ ²⁻)	APHA 4500 SO ₃ ²⁻ B (24th Edition)
577	CHEMICAL- WATER	Surface Water	Temperature	APHA 2550 B (24th Edition)
578	CHEMICAL- WATER	Surface Water	Total Dissolved Solids	APHA 2540 C (24th Edition)
579	CHEMICAL- WATER	Surface Water	Total Solids	APHA 2540 B (24th Edition)
580	CHEMICAL- WATER	Surface Water	Total Suspended Solids	APHA 2540 D (24th Edition)
581	CHEMICAL- WATER	Surface Water	Turbidity	APHA 2130 B (24th Edition)
582	CHEMICAL- WATER	Utility Water/ Process Water/ Treated Water (Raw Water)	Sulfite (as SO ₃ ²⁻)	APHA 4500 SO ₃ ²⁻ B (24th Edition)
583	CHEMICAL- WATER	Utility Water/ Process Water/ Treated Water (Raw Water)	Acidity (as CaCO ₃)	APHA 2310 B (24th Edition)
584	CHEMICAL- WATER	Utility Water/ Process Water/ Treated Water (Raw Water)	Alkalinity (Total as CaCO ₃)	APHA 2320 B (24th Edition)
585	CHEMICAL- WATER	Utility Water/ Process Water/ Treated Water (Raw Water)	Biochemical Oxygen Demand (3d at 27 °C as BOD)	IS 3025 (Part 44)
586	CHEMICAL- WATER	Utility Water/ Process Water/ Treated Water (Raw Water)	Biochemical Oxygen Demand (5d at 20 °C as BOD)	APHA 5210 B (24th Edition)
587	CHEMICAL- WATER	Utility Water/ Process Water/ Treated Water (Raw Water)	Boron (as B)	APHA 4500-B B (24th Edition)
588	CHEMICAL- WATER	Utility Water/ Process Water/ Treated Water (Raw Water)	Calcium (as Ca)	APHA 3500-Ca B (24th Edition)



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589	CHEMICAL- WATER	Utility Water/ Process Water/ Treated Water (Raw Water)	Chemical Oxygen Demand (as COD)	APHA 5220 B (24th Edition)
590	CHEMICAL- WATER	Utility Water/ Process Water/ Treated Water (Raw Water)	Chemical Oxygen Demand (as COD)	IS 3025 (Part 58)
591	CHEMICAL- WATER	Utility Water/ Process Water/ Treated Water (Raw Water)	Chloride (as Cl-)	APHA 4500-Cl- B (24th Edition)
592	CHEMICAL- WATER	Utility Water/ Process Water/ Treated Water (Raw Water)	Chlorine (Residual as Cl ₂)	APHA 4500-Cl F (24th Edition)
593	CHEMICAL- WATER	Utility Water/ Process Water/ Treated Water (Raw Water)	Chlorine (Residual as Cl ₂)	APHA 4500-Cl G DPD Colorimetric Method (24th Edition)
594	CHEMICAL- WATER	Utility Water/ Process Water/ Treated Water (Raw Water)	Chromium (Hexavalent as Cr+6)	APHA 3500-Cr B (24th Edition)
595	CHEMICAL- WATER	Utility Water/ Process Water/ Treated Water (Raw Water)	Colour (Pt-Co Scale)	APHA 2120 C (24th Edition)
596	CHEMICAL- WATER	Utility Water/ Process Water/ Treated Water (Raw Water)	Conductivity	APHA 2510 B (24th Edition)
597	CHEMICAL- WATER	Utility Water/ Process Water/ Treated Water (Raw Water)	Cyanide (as CN-)	APHA 4500-CN E (24th Edition)
598	CHEMICAL- WATER	Utility Water/ Process Water/ Treated Water (Raw Water)	Fluoride (as F-)	APHA 4500-F- D (24th Edition)
599	CHEMICAL- WATER	Utility Water/ Process Water/ Treated Water (Raw Water)	Free Carbon Dioxide (as CO ₂)	APHA 4500-CO ₂ C (24th Edition)
600	CHEMICAL- WATER	Utility Water/ Process Water/ Treated Water (Raw Water)	Hardness (as CaCO ₃)	APHA 2340 C (24th Edition)
601	CHEMICAL- WATER	Utility Water/ Process Water/ Treated Water (Raw Water)	Iron (as Fe)	APHA 3500 Fe B (24th Edition)
602	CHEMICAL- WATER	Utility Water/ Process Water/ Treated Water (Raw Water)	Magnesium (as Mg)	APHA 3500-Mg B (24th Edition)
603	CHEMICAL- WATER	Utility Water/ Process Water/ Treated Water (Raw Water)	Nitrogen (Ammonia as NH ₃ -N)	APHA 4500-NH ₃ C (24th Edition)
604	CHEMICAL- WATER	Utility Water/ Process Water/ Treated Water (Raw Water)	Nitrogen (Ammonia as NH ₃ -N)	APHA 4500-NH ₃ F (24th Edition)
605	CHEMICAL- WATER	Utility Water/ Process Water/ Treated Water (Raw Water)	Nitrogen (Kjeldahl Nitrogen as TKN)	APHA 4500-Norg B (24th Edition)
606	CHEMICAL- WATER	Utility Water/ Process Water/ Treated Water (Raw Water)	Nitrogen (Nitrate as NO ₃ -N)	APHA 4500-NO ₃ - B (24th Edition)
607	CHEMICAL- WATER	Utility Water/ Process Water/ Treated Water (Raw Water)	Nitrogen (Nitrate as NO ₃ -N)	APHA 4500-NO ₃ - E (24th Edition)
608	CHEMICAL- WATER	Utility Water/ Process Water/ Treated Water (Raw Water)	Nitrogen (Nitrite as NO ₂ -N)	APHA 4500-NO ₂ B (24th Edition)
609	CHEMICAL- WATER	Utility Water/ Process Water/ Treated Water (Raw Water)	Nitrogen (Organic as Norg)	APHA 4500-Norg B (24th Edition)
610	CHEMICAL- WATER	Utility Water/ Process Water/ Treated Water (Raw Water)	Nitrogen (Total as N)	APHA 4500-N C (24th Edition)
611	CHEMICAL- WATER	Utility Water/ Process Water/ Treated Water (Raw Water)	Oil & Grease (as O&G)	APHA 5520 D (24th Edition)
612	CHEMICAL- WATER	Utility Water/ Process Water/ Treated Water (Raw Water)	Oxygen (Dissolved as DO)	APHA 4500-O C (24th Edition)



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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
613	CHEMICAL- WATER	Utility Water/ Process Water/ Treated Water (Raw Water)	Percent Sodium (as % Na)	SOP-TEST-05, Issue No.: 01, Issue Date: 20.12.
614	CHEMICAL- WATER	Utility Water/ Process Water/ Treated Water (Raw Water)	pH	APHA 4500-H+ B (24th Edition)
615	CHEMICAL- WATER	Utility Water/ Process Water/ Treated Water (Raw Water)	Phenol	APHA 5530 D (24th Edition)
616	CHEMICAL- WATER	Utility Water/ Process Water/ Treated Water (Raw Water)	Phosphorous (as P)	APHA 4500-P C (24th Edition)
617	CHEMICAL- WATER	Utility Water/ Process Water/ Treated Water (Raw Water)	Potassium (as K)	APHA 3500-K B (24th Edition)
618	CHEMICAL- WATER	Utility Water/ Process Water/ Treated Water (Raw Water)	Salinity (as SPSS)	APHA 2520 B (24th Edition)
619	CHEMICAL- WATER	Utility Water/ Process Water/ Treated Water (Raw Water)	Settleable Solids	APHA 2540 F (24th Edition)
620	CHEMICAL- WATER	Utility Water/ Process Water/ Treated Water (Raw Water)	Settleable Solids	APHA 2540 F (24th Edition)
621	CHEMICAL- WATER	Utility Water/ Process Water/ Treated Water (Raw Water)	Silica (as SiO ₂)	APHA 4500-SiO ₂ C (24th Edition)
622	CHEMICAL- WATER	Utility Water/ Process Water/ Treated Water (Raw Water)	Silica (as SiO ₂)	APHA 4500-SiO ₂ D (24th Edition)
623	CHEMICAL- WATER	Utility Water/ Process Water/ Treated Water (Raw Water)	Sodium (as Na)	APHA 3500-Na B (24th Edition)
624	CHEMICAL- WATER	Utility Water/ Process Water/ Treated Water (Raw Water)	Sodium Adsorption Ratio (as SAR)	SOP-TEST-06, Issue No.: 01, Issue Date: 20.12.
625	CHEMICAL- WATER	Utility Water/ Process Water/ Treated Water (Raw Water)	Sulfate (as SO ₄ ²⁻)	APHA 4500-SO ₄ ²⁻ D (24th Edition)
626	CHEMICAL- WATER	Utility Water/ Process Water/ Treated Water (Raw Water)	Sulfate (as SO ₄ ²⁻)	APHA 4500-SO ₄ ²⁻ E (24th Edition)
627	CHEMICAL- WATER	Utility Water/ Process Water/ Treated Water (Raw Water)	Sulfide (as S ₂ ⁻)	APHA 4500-S ₂ ⁻ F (24th Edition)
628	CHEMICAL- WATER	Utility Water/ Process Water/ Treated Water (Raw Water)	Temperature	APHA 2550 B (24th Edition)
629	CHEMICAL- WATER	Utility Water/ Process Water/ Treated Water (Raw Water)	Total Dissolved Solids	APHA 2540 C (24th Edition)
630	CHEMICAL- WATER	Utility Water/ Process Water/ Treated Water (Raw Water)	Total Solids	APHA 2540 B (24th Edition)
631	CHEMICAL- WATER	Utility Water/ Process Water/ Treated Water (Raw Water)	Total Suspended Solids	APHA 2540 D (24th Edition)
632	CHEMICAL- WATER	Utility Water/ Process Water/ Treated Water (Raw Water)	Turbidity	APHA 2130 B (24th Edition)
633	CHEMICAL- WATER	Water for construction purpose	Acidity (as CaCO ₃)	APHA 2310 B (24th Edition)
634	CHEMICAL- WATER	Water for construction purpose	Acidity (Volume of 0.02 N NaOH required to neutralize 100ml sample of Water)	IS 3025 (Part 22)
635	CHEMICAL- WATER	Water for construction purpose	Alkalinity (as CaCO ₃)	APHA 2320 B (24th Edition)
636	CHEMICAL- WATER	Water for construction purpose	Alkalinity (Volume of 0.02 N H ₂ SO ₄ required to neutralize 100ml sample of Water)	IS 3025 (Part 23)
637	CHEMICAL- WATER	Water for construction purpose	Chloride (as Cl ⁻)	APHA 4500-Cl ⁻ B (24th Edition)
638	CHEMICAL- WATER	Water for construction purpose	Chloride (as Cl ⁻)	IS 3025 (Part 32)



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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
639	CHEMICAL- WATER	Water for construction purpose	Inorganic Matter	APHA 2540 E (24th Edition)
640	CHEMICAL- WATER	Water for construction purpose	Inorganic Matter	IS 3025 (Part 18)
641	CHEMICAL- WATER	Water for construction purpose	Organic matter	APHA 2540 E (24th Edition)
642	CHEMICAL- WATER	Water for construction purpose	Organic Matter	IS 3025 (Part 18)
643	CHEMICAL- WATER	Water for construction purpose	pH	APHA 4500-H+ B (24th Edition)
644	CHEMICAL- WATER	Water for construction purpose	pH	IS 3025 (Part 11)
645	CHEMICAL- WATER	Water for construction purpose	Sulfate (as SO4-2)	IS 3025 (Part 24)
646	CHEMICAL- WATER	Water for construction purpose	Sulfate (as SO42-)	APHA 4500-SO42- D (24th Edition)
647	CHEMICAL- WATER	Water for construction purpose	Sulfate (as SO42-)	APHA 4500-SO42- E (24th Edition)
648	CHEMICAL- WATER	Water for construction purpose	Total Suspended Solids	APHA 2540 D (24th Edition)
649	CHEMICAL- WATER	Water for construction purpose	Total Suspended Solids	IS 3025 (Part 17)
650	CHEMICAL- WATER	Water for Swimming Pool	Alkalinity (as CaCO3)	APHA 2320 B (24th Edition)
651	CHEMICAL- WATER	Water for Swimming Pool	Chloride (as Cl-)	APHA 4500-Cl- B (24th Edition)
652	CHEMICAL- WATER	Water for Swimming Pool	Chlorine (Residual as Cl2)	APHA 4500-Cl F (24th Edition)
653	CHEMICAL- WATER	Water for Swimming Pool	Chlorine (Residual as Cl2)	APHA 4500-Cl G DPD Colorimetric Method (24th Edition)
654	CHEMICAL- WATER	Water for Swimming Pool	Colour (Pt-Co Scale)	APHA 2120 C (24th Edition)
655	CHEMICAL- WATER	Water for Swimming Pool	Iron (as Fe)	APHA 3500 Fe B (24th Edition)
656	CHEMICAL- WATER	Water for Swimming Pool	Odour	IS 3025 (Part-5)
657	CHEMICAL- WATER	Water for Swimming Pool	pH	APHA 4500-H+ B (24th Edition)
658	CHEMICAL- WATER	Water for Swimming Pool	Taste	IS 3025 (Part-8)
659	CHEMICAL- WATER	Water for Swimming Pool	Total Dissolved Solids	APHA 2540 C (24th Edition)
660	CHEMICAL- WATER	Water for Swimming Pool	Turbidity	APHA 2130 B (24th Edition)
661	CHEMICAL- WATER	Water from Water Purifiers	Alkalinity (as CaCO3)	APHA 2320 B (24th Edition)
662	CHEMICAL- WATER	Water from Water Purifiers	Boron (as B)	APHA 4500-B B (24th Edition)
663	CHEMICAL- WATER	Water from Water Purifiers	Calcium (as Ca)	APHA 3500-Ca B (24th Edition)
664	CHEMICAL- WATER	Water from Water Purifiers	Chloride (as Cl-)	APHA 4500-Cl- B (24th Edition)
665	CHEMICAL- WATER	Water from Water Purifiers	Chlorine (Residual as Cl2)	APHA 4500-Cl F (24th Edition)
666	CHEMICAL- WATER	Water from Water Purifiers	Chlorine (Residual as Cl2)	APHA 4500-Cl G DPD Colorimetric Method (24th Edition)



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667	CHEMICAL- WATER	Water from Water Purifiers	Chromium (Hexavalent as Cr+6)	APHA 3500-Cr B (24th Edition)
668	CHEMICAL- WATER	Water from Water Purifiers	Colour (Pt-Co Scale)	APHA 2120 C (24th Edition)
669	CHEMICAL- WATER	Water from Water Purifiers	Cyanide (as CN-)	APHA 4500-CN- E (24th Edition)
670	CHEMICAL- WATER	Water from Water Purifiers	Fluoride (as F-)	APHA 4500-F- D (24th Edition)
671	CHEMICAL- WATER	Water from Water Purifiers	Hardness (as CaCO ₃)	APHA 2340 C (24th Edition)
672	CHEMICAL- WATER	Water from Water Purifiers	Iron (as Fe)	APHA 3500 Fe B (24th Edition)
673	CHEMICAL- WATER	Water from Water Purifiers	Magnesium (as Mg)	APHA 3500-Mg B (24th Edition)
674	CHEMICAL- WATER	Water from Water Purifiers	Nitrogen (Ammonia as NH ₃ -N)	APHA 4500-NH ₃ C (24th Edition)
675	CHEMICAL- WATER	Water from Water Purifiers	Nitrogen (Ammonia as NH ₃ -N)	APHA 4500-NH ₃ F (24th Edition)
676	CHEMICAL- WATER	Water from Water Purifiers	Nitrogen (Nitrate as NO ₃ -N)	APHA 4500-NO ₃ - B (24th Edition)
677	CHEMICAL- WATER	Water from Water Purifiers	Nitrogen (Nitrate as NO ₃ -N)	APHA 4500-NO ₃ - E (24th Edition)
678	CHEMICAL- WATER	Water from Water Purifiers	Odour	IS 3025 (Part 5)
679	CHEMICAL- WATER	Water from Water Purifiers	pH	APHA 4500-H+ B (24th Edition)
680	CHEMICAL- WATER	Water from Water Purifiers	Potassium (as K)	APHA 3500-K B (24th Edition)
681	CHEMICAL- WATER	Water from Water Purifiers	Sodium (as Na)	APHA 3500-Na B (24th Edition)
682	CHEMICAL- WATER	Water from Water Purifiers	Sulfate (as SO ₄ ²⁻)	APHA 4500-SO ₄ ²⁻ D (24th Edition)
683	CHEMICAL- WATER	Water from Water Purifiers	Sulfate (as SO ₄ ²⁻)	APHA 4500-SO ₄ ²⁻ E (24th Edition)
684	CHEMICAL- WATER	Water from Water Purifiers	Sulfide (as S ₂ ⁻)	APHA 4500-S ₂ ⁻ F (24th Edition)
685	CHEMICAL- WATER	Water from Water Purifiers	Sulfide (as S ₂ ⁻)	IS 3025 (Part 29)
686	CHEMICAL- WATER	Water from Water Purifiers	Taste	IS 3025 (Part 8)
687	CHEMICAL- WATER	Water from Water Purifiers	Total Dissolved Solids	APHA 2540 C (24th Edition)
688	CHEMICAL- WATER	Water from Water Purifiers	Turbidity	APHA 2130 B (24th Edition)



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Site Testing				
1	CHEMICAL- ATMOSPHERIC POLLUTION	Noise Level - Ambient	Noise Level, Leq	IS: 9989
2	CHEMICAL- ATMOSPHERIC POLLUTION	Noise Level - D G Set	Noise Level, Leq	IS 8528 (Part 10)
3	CHEMICAL- ATMOSPHERIC POLLUTION	Noise Level - Source	Noise Level, Leq	IS: 4758
4	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Monitoring (Process /Vent Emission)	Carbon Dioxide (as CO ₂)	SOP-TEST-02
5	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Monitoring (Process /Vent Emission)	Temperature	IS: 11255 (Part 3)
6	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Monitoring (Process /Vent Emission)	Velocity	IS: 11255 (Part 3)
7	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Monitoring (Process /Vent Emission)	Carbon Monoxide (as CO)	SOP-TEST-02
8	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Monitoring (Process /Vent Emission)	Oxygen (as O ₂)	SOP-TEST-02
9	CHEMICAL- WATER	Ground Water	Oxygen (Dissolved as DO)	SOP-TEST-04
10	CHEMICAL- WATER	Industrial Water	Oxygen (Dissolved as DO)	SOP-TEST-04
11	CHEMICAL- WATER	Surface Water	Oxygen (Dissolved as DO)	SOP-TEST-04
12	CHEMICAL- WATER	Utility Water/ Process Water/ Treated Water (Raw Water)	Oxygen (Dissolved as DO)	SOP-TEST-04

NOTE- The Laboratory has demonstrated competence for the stated scope for WATER. This however does not fully cover the specification requirements of BIS for the Packaged Drinking Water as per IS 14543 and the Packaged Natural Mineral Water IS 13428.