National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : EAU CHEMICAL MFG PVT LTD- LABORATORY SERVICE DIVISION, NO-90, AMBAL NAGAR MAIN ROAD, KEELKATTALAI, CHENNAI, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

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Validity 29/05/2022 to 28/05/2024 **Last Amended on** 15/07/2022

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 as NH3	EAU/SOP/A-006:ISSUE NO :01,ISSUE DATE ,05.01.2018
2	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient air	Arsenic as As	APHA 23rd Edition, 3114 B
3	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient air	Carbon Monoxide as CO	EAU/SOP/A-005 Issue No:01,,ISSUE DATE ,05.01.2018
4	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient air	Lead as Pb	APHA 23rd Edition, 3111 B
5	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient air	Nickel as Ni	APHA 23rd Edition, 3111 B
6	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient air	Oxides of Nitrogen as NOx	IS 5182 (Part - 6)
7	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient air	Ozone as O3	IS 5182 (Part-9)
8	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient air	Particulate Matter less than 10 micron size (PM10)	IS 5182 (Part - 23)
9	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient air	Particulate Matter less than 2.5 micron size (PM2.5)	EAU /SOP/A-002 ISSUE NO:01,,ISSUE DATE ,05.01.2018
10	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient air	Sulphur Dioxide as SO2	IS 5182 (Part - 2)
11	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Noise Levels	Sound Pressure Level	EAU/SOP/N-001:Issue No:01,Issue date 05.01.2018
12	CHEMICAL- ATMOSPHERIC POLLUTION	Meterological Parameters	Illumination	EAU/SOP/L-001:ISSUE No:01,Issue date 05.01.2018
13	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Ammonia as NH3	IS 11255 (Part 6)
14	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Carbon Dioxide as CO2	IS 13270
15	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Carbon Monoxide as CO	IS 13270
16	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Oxides of Nitrogen as NOx	IS 11255 (Part-1)
17	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Oxygen as O2	IS 13270

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18	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Particulate Matter	IS 11255 (Part-1)
19	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Sulphur Dioxide as SO2	IS 11255 (Part-1)
20	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Temperature	IS 11255 (Part-1)
21	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Velocity	IS 11255 (Part-1)
22	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Aluminium as Al	USEPA 3050 B
23	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Arsenic as As	USEPA 3050 B
24	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Barium as Ba	USEPA 3050 B
25	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Cadmium as Cd	USEPA 3050 B
26	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Calcium as Ca	USEPA 3050 B
27	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Calcium Carbonates	IS 2720 (Part 23):
28	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Copper as Cu	USEPA 3050 B
29	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Dry Matter	IS 15106
30	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Iron as Fe	USEPA 3050 B
31	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Lead as Pb	USEPA 3050 B
32	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Magnesium as Mg	USEPA 3050 B
33	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Manganese as Mn	USEPA 3050 B
34	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Nickel as Ni	USEPA 3050 B
35	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Organic Matter	IS 2720 (Part 22):
36	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	pH @25 ºC	IS 2720 (Part 26):

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37	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Phosphorous as P	IS 10158
38	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Potassium as K	USEPA 3050 B
39	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Sodium as Na	USEPA 3050 B
40	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Soluble Sulphates	FAO
41	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Specific Electrical Conductivity	IS 14767
42	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Texture: Clay	USEPA Soil Screening Guidance: User's Guide Soil sci.soc.AMJ., VOL.65,
43	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Texture: Sand	USEPA Soil Screening Guidance: User's Guide Soil sci.soc.AMJ., VOL.65,
44	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Texture: Silt	USEPA Soil Screening Guidance: User's Guide Soil sci.soc.AMJ., VOL.65,
45	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Total Chromium as Cr	USEPA 3050 B
46	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Total Kjeldahl Nitrogen (Incl. Nitrate Nitrogen)	IS 14684
47	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Total Soluble Solids	IS 2720 (Part 21):
48	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Water Content	IS 15106
49	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Zinc as Zn	USEPA 3050 B
50	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water (Effluent and Sewage)	Ammonia Nitrogen as NH3-N	APHA 23rd Edition 4500- NH3 C [Titrimetric Method]
51	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water (Effluent and Sewage)	Biological Oxygen Demand (BOD) for 5 days	APHA 23rd Edition 5210 B
52	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water (Effluent and Sewage)	Boron as B	APHA 23rd Edition, 4500 B- B
53	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water (Effluent and Sewage)	Calcium as Ca	APHA 23rd Edition 3500-Ca B [EDTA Titrimetric Method]
54	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water (Effluent and Sewage)	Chemical Oxygen Demand (COD)	APHA 23rd Edition 5220 B [Open Reflux Method]

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55	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water (Effluent and Sewage)	Chloride as Cl-	APHA 23rd Edition 4500 Cl- B [Argentometric Method]
56	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water (Effluent and Sewage)	Color	APHA 23rd Edition, 2120 B
57	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water (Effluent and Sewage)	Dissolved Iron as Fe	APHA 23rd Edition 3500-Fe B [Phenanthroline Method]
58	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water (Effluent and Sewage)	Electrical Conductivity	APHA 23rd Edition 2510 B [Laboratory Mathod]
59	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water (Effluent and Sewage)	Fluoride as F-	APHA 23rd Edition, 4500 F- D
60	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water (Effluent and Sewage)	Free Ammonia	IS 3025 (Part 34)
61	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water (Effluent and Sewage)	Free Residual Chlorine as Cl2	APHA 23rd Edition 4500-Cl B [Iodometric Method]
62	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water (Effluent and Sewage)	Hexavalent Chromium as Cr6	APHA 23rd Edition, 3500 Cr B
63	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water (Effluent and Sewage)	Magnesium as Mg	APHA 23rd Edition 3500 Mg B. [Calculation Method]
64	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water (Effluent and Sewage)	Nitrate Nitrogen as NO3	IS 3025(Part 34)-
65	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water (Effluent and Sewage)	Oil and Grease	APHA 23rd Edition 5520 B [Liquid-Liquid, Partition –Gravimetric Method]
66	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water (Effluent and Sewage)	Ortho Phosphate as PO4	APHA 23rd Edition 4500-P D [Stannous Chloride Method]
67	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water (Effluent and Sewage)	Particle Size of Suspended Solid (850 micron)	IS 6339
68	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water (Effluent and Sewage)	Percent Sodium	EAU/SOP/W-037 Issue No:01,Issue date 05.01.2018
69	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water (Effluent and Sewage)	pH Value	APHA 23rd Edition 4500-H+B [Electrometric Method]
70	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water (Effluent and Sewage)	Phenolphthalein Alkalinity as CaCO3	APHA 23rd Edition 2320 B [Titration Method]
71	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water (Effluent and Sewage)	Reactive Silica as SiO2	APHA 23rd Edition 4500-SiO2 C,D [Molybdosilicate Method, Heteropoly Blue Method]
72	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water (Effluent and Sewage)	Residual Sodium Carbonate (RSC)	IS 11624

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73	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water (Effluent and Sewage)	Sulphate as SO42-	APHA 23rd Edition 4500 SO42- E [Turbidimetric Method]
74	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water (Effluent and Sewage)	Sulphite as SO32-	APHA 23rd Edition 4500 SO32- B [Iodometric Method]
75	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water (Effluent and Sewage)	Total Acidity as CaCO3	APHA 23rd Edition 2310 B [Titration Method]
76	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water (Effluent and Sewage)	Total Alkalinity as CaCO3	APHA 23rd Edition 2320 B [Titration Method]
77	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water (Effluent and Sewage)	Total Dissolved Solids	APHA 23rd Edition 2540 C [@180°C]
78	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water (Effluent and Sewage)	Total Hardness as CaCO3	APHA 23rd Edition 2340 C [EDTA Titrimetric Method]
79	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water (Effluent and Sewage)	Total Iron as Fe	APHA 23rd Edition 3500-Fe B [Phenanthroline Method]
80	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water (Effluent and Sewage)	Total Kjeldahl Nitrogen	IS 3025 (Part 34)
81	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water (Effluent and Sewage)	Total Phosphate as PO4	APHA 23rd Edition 4500-P D [Stannous Chloride Method]
82	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water (Effluent and Sewage)	Total Solids	APHA 23rd Edition 2540 B [@103-105°C]
83	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water (Effluent and Sewage)	Total Suspended Solids	APHA 23rd Edition 2540 D [@103-105°C]
84	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water (Effluent and Sewage)	Turbidity	APHA 23rd Edition 2130B [Nephelometric Method]
85	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Arsenic as As	APHA 23rd Edition, 3114 B
86	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Cadmium as Cd	APHA 23rd Edition, 3114 B
87	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Copper as Cu	APHA 23rd Edition, 3111 B
88	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Lead as Pb	APHA 23rd Edition, 3114 B
89	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Manganese as Mn	APHA 23rd Edition, 3111 B
90	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Mercury as Hg	APHA 23rd Edition, 3112 B
91	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Nickel as Ni	APHA 23rd Edition, 3111 B

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92	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Selenium as Se	APHA 23rd Edition, 3114 B
93	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Total Chromium as Cr	APHA 23rd Edition, 3111 B
94	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Zinc as Zn	APHA 23rd Edition, 3111 B
95	CHEMICAL- RESIDUES IN WATER	(Drinking Water,Packaged Drinking Water & Natural Mineral Water (Potable & Domestic, Bore water Industrial purpose)	Aluminium as Al	IS 3025 (Part 55)
96	CHEMICAL- RESIDUES IN WATER	(Drinking Water,Packaged Drinking Water & Natural Mineral Water (Potable & Domestic, Bore water, Industrial purpose)	Barium as Ba	APHA 23rd Edition, 3111 D
97	CHEMICAL- RESIDUES IN WATER	(Drinking Water,Packaged Drinking Water & Natural Mineral Water (Potable & Domestic, Bore water, Industrial purpose)	Copper as Cu	APHA 23rd Edition, 3111 B
98	CHEMICAL- RESIDUES IN WATER	(Drinking Water,Packaged Drinking Water & Natural Mineral Water (Potable & Domestic, Bore water, Industrial purpose)	Mercury as Hg	APHA 23rd Edition, 3112 B
99	CHEMICAL- RESIDUES IN WATER	(Drinking Water,Packaged Drinking Water & Natural Mineral Water (Potable & Domestic, Bore water, Industrial purpose)	Arsenic as As	APHA 23rd Edition, 3114 B
100	CHEMICAL- RESIDUES IN WATER	(Drinking Water,Packaged Drinking Water & Natural Mineral Water (Potable & Domestic, Bore water, Industrial purpose)	Manganese as Mn	APHA 23rd Edition, 3111 B
101	CHEMICAL- RESIDUES IN WATER	(Drinking Water,Packaged Drinking Water & Natural Mineral Water (Potable & Domestic, Bore water, Industrial purpose)	Nickel as Ni	APHA 23rd Edition, 3111 B
102	CHEMICAL- RESIDUES IN WATER	(Drinking Water,Packaged Drinking Water & Natural Mineral Water (Potable & Domestic, Bore water, Industrial purpose)	Selenium as Se	APHA 23rd Edition, 3114 B
103	CHEMICAL- RESIDUES IN WATER	(Drinking Water,Packaged Drinking Water & Natural Mineral Water (Potable & Domestic, Bore water, Industrial purpose)	Silver as Ag	APHA 23rd Edition, 3111 B
104	CHEMICAL- RESIDUES IN WATER	(Drinking Water,Packaged Drinking Water & Natural Mineral Water (Potable & Domestic, Bore water, Industrial purpose)	Total Chromium as Cr	APHA 23rd Edition, 3111 B
105	CHEMICAL- RESIDUES IN WATER	(Drinking Water,Packaged Drinking Water & Natural Mineral Water (Potable & Domestic, Bore water, Industrial purpose)	Zinc as Zn	APHA 23rd Edition, 3111 B
106	CHEMICAL- RESIDUES IN WATER	(Drinking Water,Packaged Drinking Water & Natural Mineral Water (Potable & Domestic, Bore water,Industrial purpose)	Lead as Pb	APHA 23rd Edition, 3111 B
107	CHEMICAL- RESIDUES IN WATER	(Drinking water,Packaged Drinking water,Natural Mineral Water & Water(Portable & Domestic,Bore Water)	Manganese as Mn	APHA 23rd Edition, 3111 B
108	CHEMICAL- RESIDUES IN WATER	(Drinking water,Packaged Drinking water,Natural Mineral water & Water(Portable & Domestic,Bore Water)	Antimony as Sb	APHA 23rd Edition, 3111 B
109	CHEMICAL- RESIDUES IN WATER	(Drinking water,Packaged drinking water,NaturalMineral water & Water (Portable & Domestic,Bore Water)	Cadmium as Cd	APHA 23rd Edition, 3111 B
110	CHEMICAL- RESIDUES IN WATER	Drinking Water, Potable & Domestic, Bore water	Hexavalent Chromium as Cr6+	APHA 23rd Edition, 3500 Cr B

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111	CHEMICAL- RESIDUES IN WATER	Drinking Water, Potable & Domestic, Bore water	Phenolic Compounds as C6H5OH	APHA 23rd Edition, 5530 D
112	CHEMICAL- RESIDUES IN WATER	Industrial Water	Hexavalent Chromium as Cr6+	APHA 23rd Edition, 3500 Cr B
113	CHEMICAL- RESIDUES IN WATER	Industrial Water	Phenolic Compounds as C6H5OH	APHA 23rd Edition, 5530 D
114	CHEMICAL- RESIDUES IN WATER	Packaged Drinking Water & Natural Mineral Water	Total Iron as Fe	APHA 23rd Edition 3500-Fe B
115	CHEMICAL- RESIDUES IN WATER	Packaged Drinking Water & Natural Mineral Water	Hexavalent Chromium as Cr6+	APHA 23rd Edition, 3500 Cr B
116	CHEMICAL- RESIDUES IN WATER	Packaged Drinking Water & Natural Mineral Water	Phenolic Compounds as C6H5OH	APHA 23rd Edition, 5530 D
117	CHEMICAL- RESIDUES IN WATER	Packaged Drinking Water & Natural Mineral Water	Total Chromium as Cr	APHA 23rd Edition, 3111 B
118	CHEMICAL- RESIDUES IN WATER	Saline water	Aluminium as Al	IS 3025 (Part 55)
119	CHEMICAL- RESIDUES IN WATER	Saline water	Antimony as Sb	APHA 23rd Edition, 3111 B
120	CHEMICAL- RESIDUES IN WATER	Saline water	Arsenic as As	APHA 23rd Edition, 3114 B
121	CHEMICAL- RESIDUES IN WATER	Saline water	Barium as Ba	APHA 23rd Edition, 3111 D
122	CHEMICAL- RESIDUES IN WATER	Saline water	Cadmium as Cd	APHA 23rd Edition, 3111 B
123	CHEMICAL- RESIDUES IN WATER	Saline water	Copper as Cu	APHA 23rd Edition, 3111 B
124	CHEMICAL- RESIDUES IN WATER	Saline water	Hexavalent Chromium as Cr6+	APHA 23rd Edition, 3500 Cr B
125	CHEMICAL- RESIDUES IN WATER	Saline water	Lead as Pb	APHA 23rd Edition, 3111 B
126	CHEMICAL- RESIDUES IN WATER	Saline water	Mercury as Hg	APHA 23rd Edition, 3112 B
127	CHEMICAL- RESIDUES IN WATER	Saline water	Nickel as Ni	APHA 23rd Edition, 3111 B
128	CHEMICAL- RESIDUES IN WATER	Saline water	Phenolic Compounds as C6H5OH	APHA 23rd Edition, 5530 D
129	CHEMICAL- RESIDUES IN WATER	Saline water	Potassium as K	APHA 23rd Edition, 3111 B

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130	CHEMICAL- RESIDUES IN WATER	Saline water	Selenium as Se	APHA 23rd Edition, 3114 B
131	CHEMICAL- RESIDUES IN WATER	Saline water	Silver as Ag	APHA 23rd Edition, 3111 B
132	CHEMICAL- RESIDUES IN WATER	Saline water	Sodium as Na	APHA 23rd Edition, 3111 B
133	CHEMICAL- RESIDUES IN WATER	Saline water	Total Chromium as Cr	APHA 23rd Edition, 3111 B
134	CHEMICAL- RESIDUES IN WATER	Saline water	Total Iron as Fe	APHA 23rd Edition 3500-Fe B
135	CHEMICAL- RESIDUES IN WATER	Saline water	Zinc as Zn	APHA 23rd Edition, 3111 B
136	CHEMICAL- WATER	Drinking Water, Potable & Domestic, Bore water	Boron as B	APHA 23rd Edition, 4500 B- B
137	CHEMICAL- WATER	Drinking Water, Potable & Domestic, Bore water	Calcium as Ca	APHA 23rd Edition 3500-Ca B [EDTA Titrimetric Method]
138	CHEMICAL- WATER	Drinking Water, Potable & Domestic, Bore water	Chloride as Cl-	APHA 23rd Edition 4500 Cl- B
139	CHEMICAL- WATER	Drinking Water, Potable & Domestic, Bore water	Color	APHA 23rd Edition, 2120 B
140	CHEMICAL- WATER	Drinking Water, Potable & Domestic, Bore water	Dissolved Iron as Fe	APHA 23rd Edition 3500-Fe B
141	CHEMICAL- WATER	Drinking Water, Potable & Domestic, Bore water	Electrical Conductivity	APHA 23rd Edition 2510 B
142	CHEMICAL- WATER	Drinking Water, Potable & Domestic, Bore water	Fluoride as F-	APHA 23rd Edition, 4500 F- D
143	CHEMICAL- WATER	Drinking Water, Potable & Domestic, Bore water	Free Residual Chlorine as Cl2	APHA 23rd Edition 4500-Cl B
144	CHEMICAL- WATER	Drinking Water, Potable & Domestic, Bore water	Magnesium as Mg	APHA 23rd Edition 3500 Mg B.
145	CHEMICAL- WATER	Drinking Water, Potable & Domestic, Bore water	Nitrate Nitrogen as NO3	IS 3025(Part 34)-
146	CHEMICAL- WATER	Drinking Water, Potable & Domestic, Bore water	Ortho Phosphate as PO4	APHA 23rd Edition 4500-P D
147	CHEMICAL- WATER	Drinking Water, Potable & Domestic, Bore water	pH Value	APHA 23rd Edition 4500-H+B
148	CHEMICAL- WATER	Drinking Water, Potable & Domestic, Bore water	Phenolphthalein Alkalinity as CaCO3	APHA 23rd Edition 2320 B
149	CHEMICAL- WATER	Drinking Water, Potable & Domestic, Bore water	Potassium as K	APHA 23rd Edition, 3111 B
150	CHEMICAL- WATER	Drinking Water, Potable & Domestic, Bore water	Reactive Silica as SiO2	APHA 23rd Edition 4500-SiO2 C,D
151	CHEMICAL- WATER	Drinking Water, Potable & Domestic, Bore water	Sodium as Na	APHA 23rd Edition, 3111 B
152	CHEMICAL- WATER	Drinking Water, Potable & Domestic, Bore water	Sulphate as SO42-	APHA 23rd Edition 4500 SO42- E
153	CHEMICAL- WATER	Drinking Water, Potable & Domestic, Bore water	Sulphite as SO32-	APHA 23rd Edition 4500 SO32- B

SCOPE OF ACCREDITATION

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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
154	CHEMICAL- WATER	Drinking Water, Potable & Domestic, Bore water	Total Acidity as CaCO3	APHA 23rd Edition 2310 B [Titration Method]
155	CHEMICAL- WATER	Drinking Water, Potable & Domestic, Bore water	Total Alkalinity as CaCO3	APHA 23rd Edition 2320 B [Titration Method]
156	CHEMICAL- WATER	Drinking Water, Potable & Domestic, Bore water	Total Dissolved Solids	APHA 23rd Edition 2540 C [@180°C]
157	CHEMICAL- WATER	Drinking Water, Potable & Domestic, Bore water	Total Hardness as CaCO3	APHA 23rd Edition 2340 C
158	CHEMICAL- WATER	Drinking Water, Potable & Domestic, Bore water	Total Iron as Fe	APHA 23rd Edition 3500-Fe B
159	CHEMICAL- WATER	Drinking Water, Potable & Domestic, Bore water	Total Phosphate as PO4	APHA 23rd Edition 4500-P D
160	CHEMICAL- WATER	Drinking Water, Potable & Domestic, Bore water	Total Solids	APHA 23rd Edition 2540 B
161	CHEMICAL- WATER	Drinking Water, Potable & Domestic, Bore water	Total Suspended Solids	APHA 23rd Edition 2540 D
162	CHEMICAL- WATER	Drinking Water, Potable & Domestic, Bore water	Turbidity	APHA 23rd Edition 2130B
163	CHEMICAL- WATER	Industrial Water	Boron as B	APHA 23rd Edition, 4500 B- B
164	CHEMICAL- WATER	Industrial Water	Calcium as Ca	APHA 23rd Edition 3500-Ca B
165	CHEMICAL- WATER	Industrial Water	Chloride as Cl-	APHA 23rd Edition 4500 Cl- B
166	CHEMICAL- WATER	Industrial Water	Color	APHA 23rd Edition 2120 B
167	CHEMICAL- WATER	Industrial Water	Dissolved Iron as Fe	APHA 23rd Edition 3500-Fe B
168	CHEMICAL- WATER	Industrial Water	Electrical Conductivity	APHA 23rd Edition 2510 B
169	CHEMICAL- WATER	Industrial Water	Fluoride as F-	APHA 23rd Edition, 4500 F- D
170	CHEMICAL- WATER	Industrial Water	Free Residual Chlorine as Cl2	APHA 23rd Edition 4500-Cl B
171	CHEMICAL- WATER	Industrial Water	Magnesium as Mg	APHA 23rd Edition 3500 Mg B.
172	CHEMICAL- WATER	Industrial Water	Nitrate Nitrogen as NO3	IS 3025(Part 34)-
173	CHEMICAL- WATER	Industrial Water	Ortho Phosphate as PO4	APHA 23rd Edition 4500-P D
174	CHEMICAL- WATER	Industrial Water	pH Value	APHA 23rd Edition 4500-H+B
175	CHEMICAL- WATER	Industrial Water	Phenolphthalein Alkalinity as CaCO3	APHA 23rd Edition 2320 B
176	CHEMICAL- WATER	Industrial Water	Potassium as K	APHA 23rd Edition, 3111 B
177	CHEMICAL- WATER	Industrial Water	Reactive Silica as SiO2	APHA 23rd Edition 4500-SiO2
178	CHEMICAL- WATER	Industrial Water	Sodium as Na	APHA 23rd Edition, 3111 B
179	CHEMICAL- WATER	Industrial Water	Sulphate as SO42-	APHA 23rd Edition 4500 SO42-
180	CHEMICAL- WATER	Industrial Water	Sulphite as SO32-	APHA 23rd Edition 4500 SO32- B

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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
181	CHEMICAL- WATER	Industrial Water	Total Acidity as CaCO3	APHA 23rd Edition 2310 B
182	CHEMICAL- WATER	Industrial Water	Total Alkalinity as CaCO3	APHA 23rd Edition 2320 B
183	CHEMICAL- WATER	Industrial Water	Total Dissolved Solids	APHA 23rd Edition 2540 C
184	CHEMICAL- WATER	Industrial Water	Total Hardness as CaCO3	APHA 23rd Edition 2340 C
185	CHEMICAL- WATER	Industrial Water	Total Iron as Fe	APHA 23rd Edition 3500-Fe B
186	CHEMICAL- WATER	Industrial Water	Total Phosphate as PO4	APHA 23rd Edition 4500-P D
187	CHEMICAL- WATER	Industrial Water	Total Solids	APHA 23rd Edition 2540 B
188	CHEMICAL- WATER	Industrial Water	Total Suspended Solids	APHA 23rd Edition 2540 D
189	CHEMICAL- WATER	Industrial Water	Turbidity	APHA 23rd Edition 2130B
190	CHEMICAL- WATER	Packaged Drinking Water & Natural Mineral Water	Boron as B	APHA 23rd Edition, 4500 B- B
191	CHEMICAL- WATER	Packaged Drinking Water & Natural Mineral Water	Calcium as Ca	APHA 23rd Edition 3500-Ca B
192	CHEMICAL- WATER	Packaged Drinking Water & Natural Mineral Water	Chloride as Cl-	APHA 23rd Edition 4500 Cl- B
193	CHEMICAL- WATER	Packaged Drinking Water & Natural Mineral Water	Dissolved Iron as Fe	APHA 23rd Edition 3500-Fe B
194	CHEMICAL- WATER	Packaged Drinking Water & Natural Mineral Water	Electrical Conductivity	APHA 23rd Edition 2510 B
195	CHEMICAL- WATER	Packaged Drinking Water & Natural Mineral Water	Magnesium as Mg	APHA 23rd Edition 3500 Mg B.
196	CHEMICAL- WATER	Packaged Drinking Water & Natural Mineral Water	Phenolphthalein Alkalinity as CaCO3	APHA 23rd Edition 2320 B
197	CHEMICAL- WATER	Packaged Drinking Water & Natural Mineral Water	Reactive Silica as SiO2	APHA 23rd Edition 4500-SiO2 C,D
198	CHEMICAL- WATER	Packaged Drinking Water & Natural Mineral Water	Sulphate as SO42-	APHA 23rd Edition 4500 SO42- E
199	CHEMICAL- WATER	Packaged Drinking Water & Natural Mineral Water	Sulphite as SO32-	APHA 23rd Edition 4500 SO32- B
200	CHEMICAL- WATER	Packaged Drinking Water & Natural Mineral Water	Total Acidity as CaCO3	APHA 23rd Edition 2310 B
201	CHEMICAL- WATER	Packaged Drinking Water & Natural Mineral Water	Total Alkalinity as CaCO3	APHA 23rd Edition 2320 B
202	CHEMICAL- WATER	Packaged Drinking Water & Natural Mineral Water	Total Dissolved Solids	APHA 23rd Edition 2540 C
203	CHEMICAL- WATER	Packaged Drinking Water & Natural Mineral Water	Total Hardness as CaCO3	APHA 23rd Edition 2340 C
204	CHEMICAL- WATER	Packaged Drinking Water & Natural Mineral Water	Total Phosphate as PO4	APHA 23rd Edition 4500-P D
205	CHEMICAL- WATER	Packaged Drinking Water & Natural Mineral Water	Total Solids	APHA 23rd Edition 2540
206	CHEMICAL- WATER	Packaged Drinking Water & Natural Mineral Water	Total Suspended Solids	APHA 23rd Edition 2540 D
207	CHEMICAL- WATER	Packaged Drinking Water & Natural Mineral Water	Turbidity	APHA 23rd Edition 2130B
208	CHEMICAL- WATER	Packaged Drinking Water & Natural Mineral Water	Color	APHA 23rd Edition 2120 B

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209	CHEMICAL- WATER	Packaged Drinking Water & Natural Mineral Water	Fluoride as F-	APHA 23rd Edition, 4500 F- D
210	CHEMICAL- WATER	Packaged Drinking Water & Natural Mineral Water	Free Residual Chlorine as Cl2	APHA 23rd Edition 4500-Cl B
211	CHEMICAL- WATER	Packaged Drinking Water & Natural Mineral Water	Nitrate Nitrogen as NO3	IS 3025(Part 34)-
212	CHEMICAL- WATER	Packaged Drinking Water & Natural Mineral Water	Ortho Phosphate as PO4	APHA 23rd Edition 4500-P D
213	CHEMICAL- WATER	Packaged Drinking Water & Natural Mineral Water	pH Value	APHA 23rd Edition 4500-H+B
214	CHEMICAL- WATER	Packaged Drinking Water & Natural Mineral Water	Sodium as Na	APHA 23rd Edition, 3111 B
215	CHEMICAL- WATER	Saline water	Boron as B	APHA 23rd Edition, 4500 B- B
216	CHEMICAL- WATER	Saline water	Calcium as Ca	APHA 23rd Edition 3500-Ca B
217	CHEMICAL- WATER	Saline water	Chloride as Cl-	APHA 23rd Edition 4500 Cl- B
218	CHEMICAL- WATER	Saline water	Color	APHA 23rd Edition 2120 B
219	CHEMICAL- WATER	Saline water	Dissolved Iron as Fe	APHA 23rd Edition 3500-Fe B
220	CHEMICAL- WATER	Saline water	Electrical Conductivity	APHA 23rd Edition 2510 B
221	CHEMICAL- WATER	Saline water	Fluoride as F-	APHA 23rd Edition, 4500 F- D
222	CHEMICAL- WATER	Saline water	Free Residual Chlorine as Cl2	APHA 23rd Edition 4500-Cl B
223	CHEMICAL- WATER	Saline water	Magnesium as Mg	APHA 23rd Edition 3500 Mg B.
224	CHEMICAL- WATER	Saline water	Nitrate Nitrogen as NO3	IS 3025(Part 34)-
225	CHEMICAL- WATER	Saline water	Ortho Phosphate as PO4	APHA 23rd Edition 4500-P D
226	CHEMICAL- WATER	Saline water	pH Value	APHA 23rd Edition 4500-H+B
227	CHEMICAL- WATER	Saline water	Phenolphthalein Alkalinity as CaCO3	APHA 23rd Edition 2320 B
228	CHEMICAL- WATER	Saline water	Reactive Silica as SiO2	APHA 23rd Edition 4500-SiO2 C,D
229	CHEMICAL- WATER	Saline water	Sulphate as SO42	APHA 23rd Edition 4500 SO42- E
230	CHEMICAL- WATER	Saline water	Sulphite as SO32-	APHA 23rd Edition 4500 SO32- B
231	CHEMICAL- WATER	Saline water	Total Acidity as CaCO3	APHA 23rd Edition 2310 B
232	CHEMICAL- WATER	Saline water	Total Alkalinity as CaCO3	APHA 23rd Edition 2320 B
233	CHEMICAL- WATER	Saline water	Total Dissolved Solids	APHA 23rd Edition 2540 C
234	CHEMICAL- WATER	Saline water	Total Hardness as CaCO3	APHA 23rd Edition 2340 C
235	CHEMICAL- WATER	Saline water	Total Phosphate as PO4	APHA 23rd Edition 4500-P D
236	CHEMICAL- WATER	Saline water	Total Solids	APHA 23rd Edition 2540 B

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237	CHEMICAL- WATER	Saline water	Total Suspended Solids	APHA 23rd Edition 2540 D
238	CHEMICAL- WATER	Saline water	Turbidity	APHA 23rd Edition 2130B

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.