National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : ENVIRONMENTAL MANAGEMENT AND POLICY RESEARCH INSTITUTE, HASIRUBHAVANA, DORESANIPALYA FOREST CAMPUS, VINAYAKANAGAR CIRCLE, J. P. NAGAR 5TH PHASE, BENGALURU, KARNATAKA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-9298 **Page No** 1 of 11

Validity 01/03/2021 to 28/02/2023 **Last Amended on** -

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
Permanent Facility				
1	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Biochemical Oxygen Demand (BOD) for 3 days at 27°C	IS 3025 (Part 44)
2	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Calcium Hardness as Calcium carbonate (CaCO3)	APHA (23rd Ed.,): 3500-Ca-B, 3-69 to 3-70
3	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Chemical Oxygen Demand (COD)	APHA (23rd Ed.,) 5220-B, 5-18 to 5-19
4	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Chloride as Cl	APHA (23rd Ed.,): 4500-Cl-B, 4-75 to 4-76
5	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Conductivity	APHA (23rd Ed.,): 2510-B, 2-56 to 2-59
6	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Copper	APHA (23rd Ed.,): 3111, 3-16 to 3-23
7	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Dissolved Oxygen	APHA (23rd Ed.,): 4500-O,4-146 to 4-148
8	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Iron	APHA (23rd Ed.,): 3111, 3-16 to 3-23
9	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Magnesium Hardness as Calcium carbonate (CaCO3)	APHA (23rd Ed.,): 3500-Mg-B, 3-86
10	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Manganese	APHA (23rd Ed.,): 3111, 3-16 to 3-23
11	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	pH	APHA (23rd Ed.,) 4500-H+ B,4-95 to 4-99
12	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Sulphates as SO4	APHA (23rd Ed.,): 4500-SO4-E,4-199 to 4-200
13	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Total Alkalinity as Calcium carbonate (CaCO3)	APHA (23rd Ed.,): 2320-B, 2-37 to 2-39
14	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Total Dissolved Solids	APHA (23rd Ed.,): 2540 C, 2-69 to 2-70
15	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Total Hardness as Calcium carbonate (CaCO3)	APHA (23rd Ed.,):2340-C, 2-48 to 2-50
16	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Total Suspended Solids	APHA (23rd Ed.,): 2540-D, 2-70 to 2-71
17	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Turbidity	APHA (23rd Ed.,): 2130-B, 2-13 to 2-15
18	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Zinc	APHA (23rd Ed.,): 3111, 3-16 to 3-23

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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-9298 **Page No** 2 of 11

Validity 01/03/2021 to 28/02/2023 **Last Amended on** -

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
19	CHEMICAL- WATER	Drinking Water	Biochemical Oxygen Demand (BOD) for 3 days at 27°C	IS 3025 (Part 44)
20	CHEMICAL- WATER	Drinking Water	Calcium Hardness as Calcium carbonate (CaCO3)	APHA (23rd Ed.,): 3500-Ca-B, 3-69 to 3-70
21	CHEMICAL- WATER	Drinking Water	Chemical Oxygen Demand (COD)	APHA (23rd Ed.,) 5220-B, 5-18 to 5-19
22	CHEMICAL- WATER	Drinking Water	Chloride as Cl	APHA (23rd Ed.,): 4500-Cl-B, 4-75 to 4-76
23	CHEMICAL- WATER	Drinking Water	Conductivity	APHA (23rd Ed.,): 2510-B, 2-56 to 2-59
24	CHEMICAL- WATER	Drinking Water	Copper	APHA (23rd Ed.,): 3111, 3-16 to 3-23
25	CHEMICAL- WATER	Drinking Water	Dissolved Oxygen	APHA (23rd Ed.,): 4500-O,4-146 to 4-148
26	CHEMICAL- WATER	Drinking Water	Iron	APHA (23rd Ed.,): 3111, 3-16 to 3-23
27	CHEMICAL- WATER	Drinking Water	Magnesium Hardness as Calcium carbonate (CaCO3)	APHA (23rd Ed.,): 3500-Mg-B, 3-86
28	CHEMICAL- WATER	Drinking Water	Manganese	APHA (23rd Ed.,): 3111, 3-16 to 3-23
29	CHEMICAL- WATER	Drinking Water	pH	APHA (23rd Ed.,) 4500-H+ B,4-95 to 4-99
30	CHEMICAL- WATER	Drinking Water	Sulphates as SO4	APHA (23rd Ed.,): 4500-SO4-E,4-199 to 4-200
31	CHEMICAL- WATER	Drinking Water	Total Alkalinity as Calcium carbonate (CaCO3)	APHA (23rd Ed.,): 2320-B, 2-37 to 2-39
32	CHEMICAL- WATER	Drinking Water	Total Dissolved Solids	APHA (23rd Ed.,): 2540 C, 2-69 to 2-70
33	CHEMICAL- WATER	Drinking Water	Total Hardness as Calcium carbonate (CaCO3)	APHA (23rd Ed.,):2340-C, 2-48 to 2-50
34	CHEMICAL- WATER	Drinking Water	Total Suspended Solids	APHA (23rd Ed.,): 2540-D, 2-70 to 2-71
35	CHEMICAL- WATER	Drinking Water	Turbidity	APHA (23rd Ed.,): 2130-B, 2-13 to 2-15
36	CHEMICAL- WATER	Drinking Water	Zinc	APHA (23rd Ed.,): 3111, 3-16 to 3-23
37	CHEMICAL- WATER	Ground Water	Biochemical Oxygen Demand (BOD) for 3 days at 27°C	IS 3025 (Part 44)

SCOPE OF ACCREDITATION

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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-9298 **Page No** 3 of 11

Validity 01/03/2021 to 28/02/2023 **Last Amended on** -

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38	CHEMICAL- WATER	Ground Water	Calcium Hardness as Calcium carbonate (CaCO3)	APHA (23rd Ed.,): 3500-Ca-B, 3-69 to 3-70
39	CHEMICAL- WATER	Ground Water	Chemical Oxygen Demand (COD)	APHA (23rd Ed.,) 5220-B, 5-18 to 5-19
40	CHEMICAL- WATER	Ground Water	Chlorides as Cl	APHA (23rd Ed.,): 4500-Cl-B, 4-75 to 4-76
41	CHEMICAL- WATER	Ground Water	Conductivity	APHA (23rd Ed.,): 2510-B, 2-56 to 2-59
42	CHEMICAL- WATER	Ground Water	Copper	APHA (23rd Ed.,): 3111, 3-16 to 3-23
43	CHEMICAL- WATER	Ground Water	Dissolved Oxygen	APHA (23rd Ed.,): 4500-O,4-146 to 4-148
44	CHEMICAL- WATER	Ground Water	Iron	APHA (23rd Ed.,): 3111, 3-16 to 3-23
45	CHEMICAL- WATER	Ground Water	Magnesium Hardness as Calcium carbonate (CaCO3)	APHA (23rd Ed.,): 3500-Mg-B, 3-86
46	CHEMICAL- WATER	Ground Water	Manganese	APHA (23rd Ed.,): 3111, 3-16 to 3-23
47	CHEMICAL- WATER	Ground Water	pH	APHA (23rd Ed.,) 4500-H+ B,4-95 to 4-99
48	CHEMICAL- WATER	Ground Water	Sulphates as SO4	APHA (23rd Ed.,): 4500-SO4-E,4-199 to 4-200
49	CHEMICAL- WATER	Ground Water	Total Alkalinity as Calcium carbonate (CaCO3)	APHA (23rd Ed.,): 2320-B, 2-37 to 2-39
50	CHEMICAL- WATER	Ground Water	Total Dissolved Solids	APHA (23rd Ed.,): 2540 C, 2-69 to 2-70
51	CHEMICAL- WATER	Ground Water	Total Hardness as Calcium carbonate (CaCO3)	APHA (23rd Ed.,):2340-C, 2-48 to 2-50
52	CHEMICAL- WATER	Ground Water	Total Suspended Solids	APHA (23rd Ed.,): 2540-D, 2-70 to 2-71
53	CHEMICAL- WATER	Ground Water	Turbidity	APHA (23rd Ed.,): 2130-B, 2-13 to 2-15
54	CHEMICAL- WATER	Ground Water	Zinc	APHA (23rd Ed.,): 3111, 3-16 to 3-23
55	CHEMICAL- WATER	Industrial Water	Biochemical Oxygen Demand (BOD) for 3 days at 27°C	IS 3025 (Part 44)
56	CHEMICAL- WATER	Industrial Water	Calcium Hardness as Calcium carbonate (CaCO3)	APHA (23rd Ed.,): 3500-Ca-B, 3-69 to 3-70

SCOPE OF ACCREDITATION

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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-9298 **Page No** 4 of 11

Validity 01/03/2021 to 28/02/2023 **Last Amended on** -

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57	CHEMICAL- WATER	Industrial Water	Chemical Oxygen Demand (COD)	APHA (23rd Ed.,) 5220-B, 5-18 to 5-19
58	CHEMICAL- WATER	Industrial Water	Chlorides as Cl	APHA (23rd Ed.,): 4500-Cl-B, 4-75 to 4-76
59	CHEMICAL- WATER	Industrial Water	Conductivity	APHA (23rd Ed.,): 2510-B, 2-56 to 2-59
60	CHEMICAL- WATER	Industrial Water	Copper	APHA (23rd Ed.,): 3111, 3-16 to 3-23
61	CHEMICAL- WATER	Industrial Water	Dissolved Oxygen	APHA (23rd Ed.,): 4500-O,4-146 to 4-148
62	CHEMICAL- WATER	Industrial Water	Iron	APHA (23rd Ed.,): 3111, 3-16 to 3-23
63	CHEMICAL- WATER	Industrial Water	Magnesium Hardness as Calcium carbonate (CaCO3)	APHA (23rd Ed.,): 3500-Mg-B, 3-86
64	CHEMICAL- WATER	Industrial Water	Manganese	APHA (23rd Ed.,): 3111, 3-16 to 3-23
65	CHEMICAL- WATER	Industrial Water	pH	APHA (23rd Ed.,) 4500-H+ B,4-95 to 4-99
66	CHEMICAL- WATER	Industrial Water	Sulphates as SO4	APHA (23rd Ed.,): 4500-SO4-E,4-199 to 4-200
67	CHEMICAL- WATER	Industrial Water	Total Alkalinity as Calcium carbonate (CaCO3)	APHA (23rd Ed.,): 2320-B, 2-37 to 2-39
68	CHEMICAL- WATER	Industrial Water	Total Dissolved Solids	APHA (23rd Ed.,): 2540 C, 2-69 to 2-70
69	CHEMICAL- WATER	Industrial Water	Total Hardness as Calcium carbonate (CaCO3)	APHA (23rd Ed.,):2340-C, 2-48 to 2-50
70	CHEMICAL- WATER	Industrial Water	Total Suspended Solids	APHA (23rd Ed.,): 2540-D, 2-70 to 2-71
71	CHEMICAL- WATER	Industrial Water	Turbidity	APHA (23rd Ed.,): 2130-B, 2-13 to 2-15
72	CHEMICAL- WATER	Industrial Water	Zinc	APHA (23rd Ed.,): 3111, 3-16 to 3-23
73	CHEMICAL- WATER	Irrigation Water	Biochemical Oxygen Demand (BOD) for 3 days at 27°C	IS 3025 (Part 44)
74	CHEMICAL- WATER	Irrigation Water	Calcium Hardness as Calcium carbonate (CaCO3)	APHA (23rd Ed.,): 3500-Ca-B, 3-69 to 3-70
75	CHEMICAL- WATER	Irrigation Water	Chemical Oxygen Demand (COD)	APHA (23rd Ed.,) 5220-B, 5-18 to 5-19

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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-9298 **Page No** 5 of 11

Validity 01/03/2021 to 28/02/2023 **Last Amended on** -

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76	CHEMICAL- WATER	Irrigation Water	Chlorides as Cl	APHA (23rd Ed.,): 4500-Cl-B, 4-75 to 4-76
77	CHEMICAL- WATER	Irrigation Water	Conductivity	APHA (23rd Ed.,): 2510-B, 2-56 to 2-59
78	CHEMICAL- WATER	Irrigation Water	Copper	APHA (23rd Ed.,): 3111, 3-16 to 3-23
79	CHEMICAL- WATER	Irrigation Water	Dissolved Oxygen	APHA (23rd Ed.,): 4500-O,4-146 to 4-148
80	CHEMICAL- WATER	Irrigation Water	Iron	APHA (23rd Ed.,): 3111, 3-16 to 3-23
81	CHEMICAL- WATER	Irrigation Water	Magnesium Hardness as Calcium carbonate (CaCO3)	APHA (23rd Ed.,): 3500-Mg-B, 3-86
82	CHEMICAL- WATER	Irrigation Water	Manganese	APHA (23rd Ed.,): 3111, 3-16 to 3-23
83	CHEMICAL- WATER	Irrigation Water	pH	APHA (23rd Ed.,) 4500-H+ B,4-95 to 4-99
84	CHEMICAL- WATER	Irrigation Water	Sulphates as SO4	APHA (23rd Ed.,): 4500-SO4-E,4-199 to 4-200
85	CHEMICAL- WATER	Irrigation Water	Total Alkalinity as Calcium carbonate (CaCO3)	APHA (23rd Ed.,): 2320-B, 2-37 to 2-39
86	CHEMICAL- WATER	Irrigation Water	Total Dissolved Solids	APHA (23rd Ed.,): 2540 C, 2-69 to 2-70
87	CHEMICAL- WATER	Irrigation Water	Total Hardness as Calcium carbonate (CaCO3)	APHA (23rd Ed.,):2340-C, 2-48 to 2-50
88	CHEMICAL- WATER	Irrigation Water	Total Suspended Solids	APHA (23rd Ed.,): 2540-D, 2-70 to 2-71
89	CHEMICAL- WATER	Irrigation Water	Turbidity	APHA (23rd Ed.,): 2130-B, 2-13 to 2-15
90	CHEMICAL- WATER	Irrigation Water	Zinc	APHA (23rd Ed.,): 3111, 3-16 to 3-23
91	CHEMICAL- WATER	Packaged Drinking Water	Biochemical Oxygen Demand (BOD) for 3 days at 27°C	IS 3025 (Part 44)
92	CHEMICAL- WATER	Packaged Drinking Water	Calcium Hardness as Calcium carbonate (CaCO3)	APHA (23rd Ed.,): 3500-Ca-B, 3-69 to 3-70
93	CHEMICAL- WATER	Packaged Drinking Water	Chemical Oxygen Demand (COD)	APHA (23rd Ed.,) 5220-B, 5-18 to 5-19
94	CHEMICAL- WATER	Packaged Drinking Water	Chlorides as Cl	APHA (23rd Ed.,): 4500-Cl-B, 4-75 to 4-76

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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-9298 **Page No** 6 of 11

Validity 01/03/2021 to 28/02/2023 **Last Amended on** -

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95	CHEMICAL- WATER	Packaged Drinking Water	Conductivity	APHA (23rd Ed.,): 2510-B, 2-56 to 2-59
96	CHEMICAL- WATER	Packaged Drinking Water	Copper	APHA (23rd Ed.,): 3111, 3-16 to 3-23
97	CHEMICAL- WATER	Packaged Drinking Water	Dissolved Oxygen	APHA (23rd Ed.,): 4500-O,4-146 to 4-148
98	CHEMICAL- WATER	Packaged Drinking Water	Iron	APHA (23rd Ed.,): 3111, 3-16 to 3-23
99	CHEMICAL- WATER	Packaged Drinking Water	Magnesium Hardness as Calcium carbonate (CaCO3)	APHA (23rd Ed.,): 3500-Mg-B, 3-86
100	CHEMICAL- WATER	Packaged Drinking Water	Manganese	APHA (23rd Ed.,): 3111, 3-16 to 3-23
101	CHEMICAL- WATER	Packaged Drinking Water	pH	APHA (23rd Ed.,) 4500-H+ B,4-95 to 4-99
102	CHEMICAL- WATER	Packaged Drinking Water	Sulphates as SO4	APHA (23rd Ed.,): 4500-SO4-E,4-199 to 4-200
103	CHEMICAL- WATER	Packaged Drinking Water	Total Alkalinity as Calcium carbonate (CaCO3)	APHA (23rd Ed.,): 2320-B, 2-37 to 2-39
104	CHEMICAL- WATER	Packaged Drinking Water	Total Dissolved Solids	APHA (23rd Ed.,): 2540 C, 2-69 to 2-70
105	CHEMICAL- WATER	Packaged Drinking Water	Total Hardness as Calcium carbonate (CaCO3)	APHA (23rd Ed.,):2340-C, 2-48 to 2-50
106	CHEMICAL- WATER	Packaged Drinking Water	Total Suspended Solids	APHA (23rd Ed.,): 2540-D, 2-70 to 2-71
107	CHEMICAL- WATER	Packaged Drinking Water	Turbidity	APHA (23rd Ed.,): 2130-B, 2-13 to 2-15
108	CHEMICAL- WATER	Packaged Drinking Water	Zinc	APHA (23rd Ed.,): 3111, 3-16 to 3-23
109	CHEMICAL- WATER	Surface Water	Biochemical Oxygen Demand (BOD) for 3 days at 27°C	IS 3025 (Part 44)
110	CHEMICAL- WATER	Surface Water	Calcium Hardness as Calcium carbonate (CaCO3)	APHA (23rd Ed.,): 3500-Ca-B, 3-69 to 3-70
111	CHEMICAL- WATER	Surface Water	Chemical Oxygen Demand (COD)	APHA (23rd Ed.,) 5220-B, 5-18 to 5-19
112	CHEMICAL- WATER	Surface Water	Chloride as Cl	APHA (23rd Ed.,): 4500-Cl-B, 4-75 to 4-76
113	CHEMICAL- WATER	Surface Water	Conductivity	APHA (23rd Ed.,): 2510-B, 2-56 to 2-59

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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-9298 **Page No** 7 of 11

Validity 01/03/2021 to 28/02/2023 **Last Amended on** -

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114	CHEMICAL- WATER	Surface Water	Copper	APHA (23rd Ed.,): 3111, 3-16 to 3-23
115	CHEMICAL- WATER	Surface Water	Dissolved Oxygen	APHA (23rd Ed.,): 4500-O,4-146 to 4-148
116	CHEMICAL- WATER	Surface Water	Iron	APHA (23rd Ed.,): 3111, 3-16 to 3-23
117	CHEMICAL- WATER	Surface Water	Magnesium Hardness as Calcium carbonate (CaCO3)	APHA (23rd Ed.,): 3500-Mg-B, 3-86
118	CHEMICAL- WATER	Surface Water	Manganese	APHA (23rd Ed.,): 3111, 3-16 to 3-23
119	CHEMICAL- WATER	Surface Water	pH	APHA (23rd Ed.,) 4500-H+ B,4-95 to 4-99
120	CHEMICAL- WATER	Surface Water	Sulphates as SO4	APHA (23rd Ed.,): 4500-SO4-E,4-199 to 4-200
121	CHEMICAL- WATER	Surface Water	Total Alkalinity as Calcium carbonate (CaCO3)	APHA (23rd Ed.,): 2320-B, 2-37 to 2-39
122	CHEMICAL- WATER	Surface Water	Total Dissolved Solids	APHA (23rd Ed.,): 2540 C, 2-69 to 2-70
123	CHEMICAL- WATER	Surface Water	Total Hardness as Calcium carbonate (CaCO3)	APHA (23rd Ed.,):2340-C, 2-48 to 2-50
124	CHEMICAL- WATER	Surface Water	Total Suspended Solids	APHA (23rd Ed.,): 2540-D, 2-70 to 2-71
125	CHEMICAL- WATER	Surface Water	Turbidity	APHA (23rd Ed.,): 2130-B, 2-13 to 2-15
126	CHEMICAL- WATER	Surface Water	Zinc	APHA (23rd Ed.,): 3111, 3-16 to 3-23
127	CHEMICAL- WATER	Tube Well water/ Spring water/ Rain water runoff/ Water for food processing industries	Biochemical Oxygen Demand (BOD) for 3 days at 27°C	IS 3025 (Part 44)
128	CHEMICAL- WATER	Tube Well water/ Spring water/ Rain water runoff/ Water for food processing industries	Calcium Hardness as Calcium carbonate (CaCO3)	APHA (23rd Ed.,): 3500-Ca-B, 3-69 to 3-70
129	CHEMICAL- WATER	Tube Well water/ Spring water/ Rain water runoff/ Water for food processing industries	Chemical Oxygen Demand (COD)	APHA (23rd Ed.,) 5220-B, 5-18 to 5-19
130	CHEMICAL- WATER	Tube Well water/ Spring water/ Rain water runoff/ Water for food processing industries	Chlorides as Cl	APHA (23rd Ed.,): 4500-Cl-B, 4-75 to 4-76
131	CHEMICAL- WATER	Tube Well water/ Spring water/ Rain water runoff/ Water for food processing industries	Conductivity	APHA (23rd Ed.,): 2510-B, 2-56 to 2-59
132	CHEMICAL- WATER	Tube Well water/ Spring water/ Rain water runoff/ Water for food processing industries	Copper	APHA (23rd Ed.,): 3111, 3-16 to 3-23

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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-9298 **Page No** 8 of 11

Validity 01/03/2021 to 28/02/2023 **Last Amended on** -

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133	CHEMICAL- WATER	Tube Well water/ Spring water/ Rain water runoff/ Water for food processing industries	Dissolved Oxygen	APHA (23rd Ed.,): 4500-O,4-146 to 4-148
134	CHEMICAL- WATER	Tube Well water/ Spring water/ Rain water runoff/ Water for food processing industries	Iron	APHA (23rd Ed.,): 3111, 3-16 to 3-23
135	CHEMICAL- WATER	Tube Well water/ Spring water/ Rain water runoff/ Water for food processing industries	Magnesium Hardness as Calcium carbonate (CaCO3)	APHA (23rd Ed.,): 3500-Mg-B, 3-86
136	CHEMICAL- WATER	Tube Well water/ Spring water/ Rain water runoff/ Water for food processing industries	Manganese	APHA (23rd Ed.,): 3111, 3-16 to 3-23
137	CHEMICAL- WATER	Tube Well water/ Spring water/ Rain water runoff/ Water for food processing industries	pH	APHA (23rd Ed.,) 4500-H+ B,4-95 to 4-99
138	CHEMICAL- WATER	Tube Well water/ Spring water/ Rain water runoff/ Water for food processing industries	Sulphates as SO4	APHA (23rd Ed.,): 4500-SO4-E,4-199 to 4-200
139	CHEMICAL- WATER	Tube Well water/ Spring water/ Rain water runoff/ Water for food processing industries	Total Alkalinity as Calcium carbonate (CaCO3)	APHA (23rd Ed.,): 2320-B, 2-37 to 2-39
140	CHEMICAL- WATER	Tube Well water/ Spring water/ Rain water runoff/ Water for food processing industries	Total Dissolved Solids	APHA (23rd Ed.,): 2540 C, 2-69 to 2-70
141	CHEMICAL- WATER	Tube Well water/ Spring water/ Rain water runoff/ Water for food processing industries	Total Hardness as Calcium carbonate (CaCO3)	APHA (23rd Ed.,):2340-C, 2-48 to 2-50
142	CHEMICAL- WATER	Tube Well water/ Spring water/ Rain water runoff/ Water for food processing industries	Total Suspended Solids	APHA (23rd Ed.,): 2540-D, 2-70 to 2-71
143	CHEMICAL- WATER	Tube Well water/ Spring water/ Rain water runoff/ Water for food processing industries	Turbidity	APHA (23rd Ed.,): 2130-B, 2-13 to 2-15
144	CHEMICAL- WATER	Tube Well water/ Spring water/ Rain water runoff/ Water for food processing industries	Zinc	APHA (23rd Ed.,): 3111, 3-16 to 3-23
145	CHEMICAL- WATER	Water for construction purpose	Biochemical Oxygen Demand (BOD) for 3 days at 27°C	IS 3025 (Part 44)
146	CHEMICAL- WATER	Water for construction purpose	Calcium Hardness as Calcium carbonate (CaCO3)	APHA (23rd Ed.,): 3500-Ca-B, 3-69 to 3-70
147	CHEMICAL- WATER	Water for construction purpose	Chemical Oxygen Demand (COD)	APHA (23rd Ed.,) 5220-B, 5-18 to 5-19
148	CHEMICAL- WATER	Water for construction purpose	Chloride as Cl	APHA (23rd Ed.,): 4500-Cl-B, 4-75 to 4-76
149	CHEMICAL- WATER	Water for construction purpose	Conductivity	APHA (23rd Ed.,): 2510-B, 2-56 to 2-59
150	CHEMICAL- WATER	Water for construction purpose	Copper	APHA (23rd Ed.,): 3111, 3-16 to 3-23
151	CHEMICAL- WATER	Water for construction purpose	Dissolved Oxygen	APHA (23rd Ed.,): 4500-O,4-146 to 4-148

SCOPE OF ACCREDITATION

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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-9298 **Page No** 9 of 11

Validity 01/03/2021 to 28/02/2023 **Last Amended on** -

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
152	CHEMICAL- WATER	Water for construction purpose	Iron	APHA (23rd Ed.,): 3111, 3-16 to 3-23
153	CHEMICAL- WATER	Water for construction purpose	Magnesium Hardness as Calcium carbonate (CaCO3)	APHA (23rd Ed.,): 3500-Mg-B, 3-86
154	CHEMICAL- WATER	Water for construction purpose	Manganese	APHA (23rd Ed.,): 3111, 3-16 to 3-23
155	CHEMICAL- WATER	Water for construction purpose	pH	APHA (23rd Ed.,) 4500-H+ B,4-95 to 4-99
156	CHEMICAL- WATER	Water for construction purpose	Sulphates as SO4	APHA (23rd Ed.,): 4500-SO4-E,4-199 to 4-200
157	CHEMICAL- WATER	Water for construction purpose	Total Alkalinity as Calcium carbonate (CaCO3)	APHA (23rd Ed.,): 2320-B, 2-37 to 2-39
158	CHEMICAL- WATER	Water for construction purpose	Total Dissolved Solids	APHA (23rd Ed.,): 2540 C, 2-69 to 2-70
159	CHEMICAL- WATER	Water for construction purpose	Total Hardness as Calcium carbonate (CaCO3)	APHA (23rd Ed.,):2340-C, 2-48 to 2-50
160	CHEMICAL- WATER	Water for construction purpose	Total Suspended Solids	APHA (23rd Ed.,): 2540-D, 2-70 to 2-71
161	CHEMICAL- WATER	Water for construction purpose	Turbidity	APHA (23rd Ed.,): 2130-B, 2-13 to 2-15
162	CHEMICAL- WATER	Water for construction purpose	Zinc	APHA (23rd Ed.,): 3111, 3-16 to 3-23
163	CHEMICAL- WATER	Water for Swimming Pool	Biochemical Oxygen Demand (BOD) for 3 days at 27°C	IS 3025 (Part 44)
164	CHEMICAL- WATER	Water for Swimming Pool	Calcium Hardness as Calcium carbonate (CaCO3)	APHA (23rd Ed.,): 3500-Ca-B, 3-69 to 3-70
165	CHEMICAL- WATER	Water for Swimming Pool	Chemical Oxygen Demand (COD)	APHA (23rd Ed.,) 5220-B, 5-18 to 5-19
166	CHEMICAL- WATER	Water for Swimming Pool	Chloride as Cl	APHA (23rd Ed.,): 4500-Cl-B, 4-75 to 4-76
167	CHEMICAL- WATER	Water for Swimming Pool	Conductivity	APHA (23rd Ed.,): 2510-B, 2-56 to 2-59
168	CHEMICAL- WATER	Water for Swimming Pool	Copper	APHA (23rd Ed.,): 3111, 3-16 to 3-23
169	CHEMICAL- WATER	Water for Swimming Pool	Dissolved Oxygen	APHA (23rd Ed.,): 4500-O,4-146 to 4-148
170	CHEMICAL- WATER	Water for Swimming Pool	Iron	APHA (23rd Ed.,): 3111, 3-16 to 3-23

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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-9298 **Page No** 10 of 11

Validity 01/03/2021 to 28/02/2023 **Last Amended on** -

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
171	CHEMICAL- WATER	Water for Swimming Pool	Magnesium Hardness as Calcium carbonate (CaCO3)	APHA (23rd Ed.,): 3500-Mg-B, 3-86
172	CHEMICAL- WATER	Water for Swimming Pool	Manganese	APHA (23rd Ed.,): 3111, 3-16 to 3-23
173	CHEMICAL- WATER	Water for Swimming Pool	pH	APHA (23rd Ed.,) 4500-H+ B,4-95 to 4-99
174	CHEMICAL- WATER	Water for Swimming Pool	Sulphates as SO4	APHA (23rd Ed.,): 4500-SO4-E,4-199 to 4-200
175	CHEMICAL- WATER	Water for Swimming Pool	Total Alkalinity as Calcium carbonate (CaCO3)	APHA (23rd Ed.,): 2320-B, 2-37 to 2-39
176	CHEMICAL- WATER	Water for Swimming Pool	Total Dissolved Solids	APHA (23rd Ed.,): 2540 C, 2-69 to 2-70
177	CHEMICAL- WATER	Water for Swimming Pool	Total Hardness as Calcium carbonate (CaCO3)	APHA (23rd Ed.,):2340-C, 2-48 to 2-50
178	CHEMICAL- WATER	Water for Swimming Pool	Total Suspended Solids	APHA (23rd Ed.,): 2540-D, 2-70 to 2-71
179	CHEMICAL- WATER	Water for Swimming Pool	Turbidity	APHA (23rd Ed.,): 2130-B, 2-13 to 2-15
180	CHEMICAL- WATER	Water for Swimming Pool	Zinc	APHA (23rd Ed.,): 3111, 3-16 to 3-23
181	CHEMICAL- WATER	Water from Water Purifiers	Biochemical Oxygen Demand (BOD) for 3 days at 27°C	IS: 3025 (Part 44)
182	CHEMICAL- WATER	Water from Water Purifiers	Calcium Hardness as Calcium carbonate (CaCO3)	APHA (23rd Ed.,): 3500-Ca-B, 3-69 to 3-70
183	CHEMICAL- WATER	Water from Water Purifiers	Chemical Oxygen Demand (COD)	APHA (23rd Ed.,) 5220-B, 5-18 to 5-19
184	CHEMICAL- WATER	Water from Water Purifiers	Chlorides as Cl	APHA (23rd Ed.,): 4500-Cl-B, 4-75 to 4-76
185	CHEMICAL- WATER	Water from Water Purifiers	Conductivity	APHA (23rd Ed.,): 2510-B, 2-56 to 2-59
186	CHEMICAL- WATER	Water from Water Purifiers	Copper	APHA (23rd Ed.,): 3111, 3-16 to 3-23
187	CHEMICAL- WATER	Water from Water Purifiers	Dissolved Oxygen	APHA (23rd Ed.,): 4500-O,4-146 to 4-148
188	CHEMICAL- WATER	Water from Water Purifiers	Iron	APHA (23rd Ed.,): 3111, 3-16 to 3-23
189	CHEMICAL- WATER	Water from Water Purifiers	Magnesium Hardness as Calcium carbonate (CaCO3)	APHA (23rd Ed.,): 3500-Mg-B, 3-86

SCOPE OF ACCREDITATION

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Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-9298	**Page No**	11 of 11
Validity	01/03/2021 to 28/02/2023	**Last Amended on**	-

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190	CHEMICAL- WATER	Water from Water Purifiers	Manganese	APHA (23rd Ed.,): 3111, 3-16 to 3-23
191	CHEMICAL- WATER	Water from Water Purifiers	pH	APHA (23rd Ed.,) 4500-H+ B,4-95 to 4-99
192	CHEMICAL- WATER	Water from Water Purifiers	Sulphates as SO4	APHA (23rd Ed.,): 4500-SO4-E,4-199 to 4-200
193	CHEMICAL- WATER	Water from Water Purifiers	Total Alkalinity as Calcium carbonate (CaCO3)	APHA (23rd Ed.,): 2320-B, 2-37 to 2-39
194	CHEMICAL- WATER	Water from Water Purifiers	Total Dissolved Solids	APHA (23rd Ed.,): 2540 C, 2-69 to 2-70
195	CHEMICAL- WATER	Water from Water Purifiers	Total Hardness as Calcium carbonate (CaCO3)	APHA (23rd Ed.,):2340-C, 2-48 to 2-50
196	CHEMICAL- WATER	Water from Water Purifiers	Total Suspended Solids	APHA (23rd Ed.,): 2540-D, 2-70 to 2-71
197	CHEMICAL- WATER	Water from Water Purifiers	Turbidity	APHA (23rd Ed.,): 2130-B, 2-13 to 2-15
198	CHEMICAL- WATER	Water from Water Purifiers	Zinc	APHA (23rd Ed.,): 3111, 3-16 to 3-23

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.