National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : TAMILNADU WASTE MANAGEMENT LTD., LABORATORY, PLOT NO. 5-15, 28-33, SIPCOT INDUSTRIAL COMPLEX, GUMMIDIPOONDI, THIRUVALLUR, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7784 **Page No** 1 of 8

Validity 21/12/2021 to 20/12/2023 **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- ATMOSPHERIC POLLUTION	Ambient Air Quality	Ammonia	IS:5182-Part-25
2	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air Quality	Carbon Monoxide as CO	IS:5182-Part-10
3	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air Quality	Lead	IS:5182-Part-22
4	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air Quality	Nickel	IS:5182-Part-26
5	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air Quality	Oxides of Nitrogen	IS:5182 - Part-6
6	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air Quality	Ozone	IS:5182-Part-9
7	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air Quality	Particulate Matter (PM10)	IS:5182 -Part-23
8	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air Quality	Particulate Matter (PM2.5)	IS:5182-Part-24
9	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air Quality	Sulphur Dioxide	IS:5182-Part-2
10	CHEMICAL- ATMOSPHERIC POLLUTION	Noise Level Monitoring	Noise Level Monitoring (Leq, L Max)	IS:9989
11	CHEMICAL- POLLUTION & ENVIRONMENT	Hazardous Waste Metals in TCLP (Toxicity Characteristic Leaching Procedure) / WLT (Water Leachate)	Arsenic as As	TNWML/SOP/LAB-318, 01/00, Dt. 20.06.2018
12	CHEMICAL- POLLUTION & ENVIRONMENT	Hazardous Waste Metals in TCLP (Toxicity Characteristic Leaching Procedure) / WLT (Water Leachate)	Cadmium as Cd	ASTM D5233-92 , USEPA 7000 B
13	CHEMICAL- POLLUTION & ENVIRONMENT	Hazardous Waste Metals in TCLP (Toxicity Characteristic Leaching Procedure) / WLT (Water Leachate)	Copper as Cu	ASTM D5233-92, USEPA ; 7000 B
14	CHEMICAL- POLLUTION & ENVIRONMENT	Hazardous Waste Metals in TCLP (Toxicity Characteristic Leaching Procedure) / WLT (Water Leachate)	Hexavalent Chromium as Cr+6	ASTM D5233-92, USEPA ; 7196 A
15	CHEMICAL- POLLUTION & ENVIRONMENT	Hazardous Waste Metals in TCLP (Toxicity Characteristic Leaching Procedure) / WLT (Water Leachate)	Iron as Fe	TNWML/SOP/LAB-156, 01/00, Dt. 20.06.2018
16	CHEMICAL- POLLUTION & ENVIRONMENT	Hazardous Waste Metals in TCLP (Toxicity Characteristic Leaching Procedure) / WLT (Water Leachate)	Lead as Pb	ASTM D5233-92, USEPA ; 7000 B
17	CHEMICAL- POLLUTION & ENVIRONMENT	Hazardous Waste Metals in TCLP (Toxicity Characteristic Leaching Procedure) / WLT (Water Leachate)	Nickel as Ni	ASTM D5233-92, USEPA ; 7000 B
18	CHEMICAL- POLLUTION & ENVIRONMENT	Hazardous Waste Metals in TCLP (Toxicity Characteristic Leaching Procedure) / WLT (Water Leachate)	Total Chromium as Cr	ASTM D5233-92, USEPA ; 7000 B

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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7784 **Page No** 2 of 8

Validity 21/12/2021 to 20/12/2023 **Last Amended on** -

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19	CHEMICAL- POLLUTION & ENVIRONMENT	Hazardous Waste Metals in TCLP (Toxicity Characteristic Leaching Procedure) / WLT (Water Leachate)	Vanadium as V	TNWML/SOP/LAB-319, 01/00, Dt. 20.06.2018
20	CHEMICAL- POLLUTION & ENVIRONMENT	Hazardous Waste Metals in TCLP (Toxicity Characteristic Leaching Procedure) / WLT (Water Leachate)	Zinc as Zn	ASTM D5233-92, USEPA ; 7000 B
21	CHEMICAL- POLLUTION & ENVIRONMENT	Hazardous Waste Metals in TCLP (Toxicity Characteristic Leaching Procedure) / WLT (Water Leachate)	Ammonia as N	TNWML/SOP/LAB-120, 01/00, Dt. 20.06.2018
22	CHEMICAL- POLLUTION & ENVIRONMENT	Hazardous Waste Metals in TCLP (Toxicity Characteristic Leaching Procedure) / WLT (Water Leachate)	Cobalt as Co	ASTM D5233-92, USEPA ; 7000 B
23	CHEMICAL- POLLUTION & ENVIRONMENT	Hazardous Waste Metals in TCLP (Toxicity Characteristic Leaching Procedure) / WLT (Water Leachate)	Cyanide as CN-	TNWML/SOP/LAB-115, 01/00, Dt. 20.06.2018
24	CHEMICAL- POLLUTION & ENVIRONMENT	Hazardous Waste Metals in TCLP (Toxicity Characteristic Leaching Procedure) / WLT (Water Leachate)	Fluorides as F-	TNWML/SOP/LAB-113, 01/00, Dt. 20.06.2018
25	CHEMICAL- POLLUTION & ENVIRONMENT	Hazardous Waste Metals in TCLP (Toxicity Characteristic Leaching Procedure) / WLT (Water Leachate)	Manganese as Mn	ASTM D5233-92, USEPA ; 3050 B, 7000 B
26	CHEMICAL- POLLUTION & ENVIRONMENT	Hazardous Waste Metals in TCLP (Toxicity Characteristic Leaching Procedure) / WLT (Water Leachate)	Nitrate as N	TNWML/SOP/LAB-122, 01/00, Dt. 20.06.2018
27	CHEMICAL- POLLUTION & ENVIRONMENT	Hazardous Waste Metals in TCLP (Toxicity Characteristic Leaching Procedure) / WLT (Water Leachate)	Phenolic Compounds as C6H5OH	TNWML/SOP/LAB-127, 01/00, Dt. 20.06.2018
28	CHEMICAL- POLLUTION & ENVIRONMENT	Hazardous Waste	Acid Soluble & Insoluble Sulfide as H2S	USEPA 2009, SW-846; 9030 B, 9034
29	CHEMICAL- POLLUTION & ENVIRONMENT	Hazardous Waste	Bulk Density	ASTM D 5057
30	CHEMICAL- POLLUTION & ENVIRONMENT	Hazardous Waste	Cadmium as Cd	USEPA 2009, SW-846; 3050 B, 7000 B
31	CHEMICAL- POLLUTION & ENVIRONMENT	Hazardous Waste	Calorific Value	ASTM D 5468-02
32	CHEMICAL- POLLUTION & ENVIRONMENT	Hazardous Waste	Cobalt as Co	USEPA 2009, SW-846; 3050 B, 7000 B
33	CHEMICAL- POLLUTION & ENVIRONMENT	Hazardous Waste	Copper as Cu	USEPA; 3050 B, 7000 B
34	CHEMICAL- POLLUTION & ENVIRONMENT	Hazardous Waste	Extractable Organics (using n-Hexane)	USEPA ; 3540 C & 9071 B (Soxlet Extraction)
35	CHEMICAL- POLLUTION & ENVIRONMENT	Hazardous Waste	Flash Point	USEPA 2009, SW-846; 1010 B
36	CHEMICAL- POLLUTION & ENVIRONMENT	Hazardous Waste	Hexavalent Chromium as Cr+6	USEPA 2009, SW-846; 3060 A, 7196 A
37	CHEMICAL- POLLUTION & ENVIRONMENT	Hazardous Waste	Lead as Pb	USEPA 2009, SW-846; 3050 B, 7000 B

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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7784 **Page No** 3 of 8

Validity 21/12/2021 to 20/12/2023 **Last Amended on** -

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38	CHEMICAL- POLLUTION & ENVIRONMENT	Hazardous Waste	Loss on drying at 105 °C	APHA 23rd Edition: 2540 G
39	CHEMICAL- POLLUTION & ENVIRONMENT	Hazardous Waste	Loss on ignition at 550 °C	APHA 23rd Edition: 2540 G
40	CHEMICAL- POLLUTION & ENVIRONMENT	Hazardous Waste	Manganese as Mn	USEPA; 3050 B, 7000 B
41	CHEMICAL- POLLUTION & ENVIRONMENT	Hazardous Waste	Metals in TCLP (Toxicity Characteristic Leaching Procedure) / WLT (Water Leachate)	ASTM D5233-92, USEPA ; 1311, Hazardous Waste Management Series: HAZWAMS/2009-2010
42	CHEMICAL- POLLUTION & ENVIRONMENT	Hazardous Waste	Moisture content	IS 326 (Part 21): 2001 APHA 23rd Edition: 2540 G
43	CHEMICAL- POLLUTION & ENVIRONMENT	Hazardous Waste	Nickel as Ni	USEPA 2009, SW-846; 3050 B, 7000 B
44	CHEMICAL- POLLUTION & ENVIRONMENT	Hazardous Waste	Paint Filter Liquid Test	USEPA 2009, SW-846; 9095 B
45	CHEMICAL- POLLUTION & ENVIRONMENT	Hazardous Waste	pH	USEPA 2009 SW-846; 9045 D
46	CHEMICAL- POLLUTION & ENVIRONMENT	Hazardous Waste	Total & Amenable Cyanide as HCN	USEPA 2009, SW-846; 9010 C, 9014
47	CHEMICAL- POLLUTION & ENVIRONMENT	Hazardous Waste	Total Chlorides	USEPA 2009, SW-846; 5050, 9253
48	CHEMICAL- POLLUTION & ENVIRONMENT	Hazardous Waste	Total Chromium as Cr	USEPA 2009, SW-846; 3050 B, 7000 B
49	CHEMICAL- POLLUTION & ENVIRONMENT	Hazardous Waste	Water Soluble Inorganics	TNWML/SOP/LA-110, 01/00, Dt. 20.06.2018
50	CHEMICAL- POLLUTION & ENVIRONMENT	Hazardous Waste	Water Soluble Organics	TNWML/SOP/LA-110, 01/00, Dt. 20.06.2018
51	CHEMICAL- POLLUTION & ENVIRONMENT	Hazardous Waste	Zinc as Zn	USEPA 2009, SW-846; 3050 B, 7000 B
52	CHEMICAL- POLLUTION & ENVIRONMENT	Hazardous Wastes	Explosion at normal temperature & Pressure (Yes / No)	TNWML/SOP/LAB-369
53	CHEMICAL- POLLUTION & ENVIRONMENT	Hazardous Wastes	Explosion when subjected to a strong initiating force (Yes / No)	TNWML/SOP/LAB-368
54	CHEMICAL- POLLUTION & ENVIRONMENT	Hazardous Wastes	Forms Potentially explosive mixture with water (Yes / No)	TNWML/SOP/LAB-367

SCOPE OF ACCREDITATION

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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7784 **Page No** 4 of 8

Validity 21/12/2021 to 20/12/2023 **Last Amended on** -

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55	CHEMICAL- POLLUTION & ENVIRONMENT	Hazardous Wastes	Generating of toxic fumes with water / acidic / basic (Yes / No)	TNWML/SOP/LAB-366
56	CHEMICAL- POLLUTION & ENVIRONMENT	Hazardous Wastes	Is there any violent chemical change (in air) (normally unstable) (Yes/No)	TNWML/SOP/LAB-364
57	CHEMICAL- POLLUTION & ENVIRONMENT	Hazardous Wastes	Mercury as Hg	SW - 846 - 7471B
58	CHEMICAL- POLLUTION & ENVIRONMENT	Hazardous Wastes	Physical State	TNWML/SOP/LAB-363
59	CHEMICAL- POLLUTION & ENVIRONMENT	Hazardous Wastes	Reacts violent with water (Yes/No)	TNWML/SOP/LAB-365
60	CHEMICAL- POLLUTION & ENVIRONMENT	Hazardous Wastes	Texture	TNWML/SOP/LAB-363
61	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Acidity as CaCO3	APHA 23rd Edition;2310B
62	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water	Ammonia as NH3	APHA 23rd Edition; 4500NH3, B, C
63	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Arsenic as As	APHA 23rd Edition;3111 B
64	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Bio Chemical Oxygen Demand (3days at 27oC)	IS:3025 (P-44)
65	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Cadmium as Cd	APHA 23rd Edition; 3111B
66	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Calcium as Ca	APHA 23rd Edition; 3500ca B
67	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Chemical Oxygen Demand (COD)	APHA 23rd Edition; 5220B
68	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Chlorides as Cl	APHA 23rd Edition; 4500Cl,B
69	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water	Cobalt as Co	APHA 23rd Edition 3111B
70	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Coductivity	APHA 23rd Edition; 2510B
71	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Color (Hue)	APHA 23rd Edition; 2120D
72	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Copper as Cu	APHA 23rd Edition; 3111B

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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7784 **Page No** 5 of 8

Validity 21/12/2021 to 20/12/2023 **Last Amended on** -

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73	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Dissolved Solids	APHA 23rd Edition;4500O,C
74	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Fixed Solids	APHA 23rd Edition;2540E
75	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Fluorides as F-	APHA 23rd Edition;4500F, D
76	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Hexavalent Chromium as Cr6	APHA 23rd Edition;3500Cr, B
77	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Iron as Fe	APHA 23rd Edition;3500Fe, B
78	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Lead as Pb	APHA 23rd Edition; 3111B
79	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Manganese as Mn	APHA 23rd Edition; 3111B
80	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Nickel as Ni	APHA 23rd Edition; 3111B
81	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water	Nitrate as NO3	APHA 23rd Edition; 4500NO3,B
82	CHEMICAL- POLLUTION & ENVIRONMENT	Waste water	Nitrite as NO2	APHA 23rd Edition; 4500NO2, B
83	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Nitrogen (Organic) as N	APHA : 4500 N(org) B
84	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Oil & Grease	APHA 23rd Edition; 5520 B
85	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	pH	APHA 23rd Edition; 4500 H+ B
86	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Phenolic Compounds as C6H5OH	APHA 23rd Edition; 5530 B&D
87	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Potassium as K	APHA 23rd Edition: 3500 K B
88	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Residual Chlorine as Cl	APHA 23rd Edition; 4500 Cl B
89	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Sodium as Na	APHA 23rd Edition 3500 Na B;
90	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Sulphates as SO4-2	APHA 23rd Edition; 4500 SO4-2 D
91	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Sulphide as S-2	APHA 23rd Edition; 4500 S-2 F

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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7784 **Page No** 6 of 8

Validity 21/12/2021 to 20/12/2023 **Last Amended on** -

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92	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Sulphite as SO3-2	APHA 23rd Edition; 4500 SO3-2 B
93	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Temperature	APHA 23rd Edition; 2550 A,B
94	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Total Chromium as Cr	APHA 23rd Edition: 3111 B
95	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Total Cyanide as CN-	APHA 23rd Edition; 4500 CN- C,E
96	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Total Dissolved Solids	APHA 23rd Edition; 2540 C
97	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Total Hardness as CaCO3	APHA 23rd Edition; 2340 C
98	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Total Phosphorus as P	APHA 23rd Edition; 4500 P B,C
99	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Total Solids	APHA 23rd Edition; 2540 B
100	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Total Suspended Solids	APHA 23rd Edition; 2540 D
101	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Vanadium as V	APHA 23rd Edition: 3500 V B
102	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Volatile Solids	APHA 23rd Edition; 2540 E
103	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Zinc as Zn	APHA 23rd Edition: 3111 B
104	CHEMICAL- RESIDUES IN WATER	Trace Metal Elements	Arsenic as As	APHA 23rd Edition: 3500 As B
105	CHEMICAL- RESIDUES IN WATER	Trace Metal Elements	Cadmium as Cd	APHA 23rd Edition: 3111 B
106	CHEMICAL- RESIDUES IN WATER	Trace Metal Elements	Cobalt as Co	APHA 23rd Edition: 3111 B
107	CHEMICAL- RESIDUES IN WATER	Trace Metal Elements	Copper as Cu	APHA 23rd Edition: 3111 B
108	CHEMICAL- RESIDUES IN WATER	Trace Metal Elements	Hexavalent Chromium as Cr+6	APHA 23rd Edition: 3500 Cr B
109	CHEMICAL- RESIDUES IN WATER	Trace Metal Elements	Iron as Fe	APHA 23rd Edition: 3500 Fe B
110	CHEMICAL- RESIDUES IN WATER	Trace Metal Elements	Lead as Pb	APHA 23rd Edition: 3111 B

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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7784 **Page No** 7 of 8

Validity 21/12/2021 to 20/12/2023 **Last Amended on** -

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111	CHEMICAL- RESIDUES IN WATER	Trace Metal Elements	Manganese as Mn	APHA 23rd Edition: 3111 B
112	CHEMICAL- RESIDUES IN WATER	Trace Metal Elements	Nickel as Ni	APHA 23rd Edition: 3111 B
113	CHEMICAL- RESIDUES IN WATER	Trace Metal Elements	Total Chromium as Cr	APHA 23rd Edition: 3111 B
114	CHEMICAL- RESIDUES IN WATER	Trace Metal Elements	Vanadium as V	APHA 23rd Edition: 3500 V B
115	CHEMICAL- RESIDUES IN WATER	Trace Metal Elements	Zinc as Zn	APHA 23rd Edition: 3111 B
116	CHEMICAL- WATER	Ground Water and Surface Water	Acidity as CaCO3	APHA 23rd Edition: 2310 B
117	CHEMICAL- WATER	Ground Water and Surface Water	Alkalinity as CaCO3	APHA 23rd Edition: 2320 B
118	CHEMICAL- WATER	Ground Water and Surface Water	Biological Oxygen Demand (3 Days at 27 °C)	IS: 3025 (Part 44)
119	CHEMICAL- WATER	Ground Water and Surface Water	Calcium as Ca	APHA 23rd Edition: 3500 Ca B
120	CHEMICAL- WATER	Ground Water and Surface Water	Chemical Oxygen Demand	APHA 23rd Edition: 5220 B
121	CHEMICAL- WATER	Ground Water and Surface Water	Chlorides as Cl-	APHA 23rd Edition: 4500 Cl- B
122	CHEMICAL- WATER	Ground Water and Surface Water	Color	APHA 23rd Edition: 2120 C
123	CHEMICAL- WATER	Ground Water and Surface Water	Conductivity	APHA 23rd Edition: 2510 B
124	CHEMICAL- WATER	Ground Water and Surface Water	Dissolved Oxygen	APHA 23rd Edition: 4500 O C
125	CHEMICAL- WATER	Ground Water and Surface Water	Dissolved Phosphorus as P	APHA 23rd Edition: 4500 P C
126	CHEMICAL- WATER	Ground Water and Surface Water	Fixed solids	APHA 23rd Edition: 2540 E
127	CHEMICAL- WATER	Ground Water and Surface Water	Fluorides as F-	APHA 23rd Edition: 4500 F- D
128	CHEMICAL- WATER	Ground Water and Surface Water	Magnesium as Mg	APHA 23rd Edition: 3500 Mg B
129	CHEMICAL- WATER	Ground Water and Surface Water	Nitrate Nitrogen as N	IS: 3025 (Part 34), APHA 23rd Edition: 4500 NO3- B
130	CHEMICAL- WATER	Ground Water and Surface Water	Nitrite (Nitrogen as N)	APHA 23rd Edition: 4500 NO2 B (colorimetric Method)
131	CHEMICAL- WATER	Ground Water and Surface Water	Nitrogen (Ammonia) as N	APHA 23rd Edition: 4500 NH3 B,C
132	CHEMICAL- WATER	Ground Water and Surface Water	Nitrogen (Organic) as N	APHA 23rd Edition: 4500 N(org) B
133	CHEMICAL- WATER	Ground Water and Surface Water	Oil & Grease	APHA 23rd Edition: 5520 B
134	CHEMICAL- WATER	Ground Water and Surface Water	pH	APHA 23rd Edtion; 4500 H+ B

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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7784 **Page No** 8 of 8

Validity 21/12/2021 to 20/12/2023 **Last Amended on** -

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135	CHEMICAL- WATER	Ground Water and Surface Water	Phenolic compounds as C6H5OH	APHA 23rd Edition: 5530 C,D
136	CHEMICAL- WATER	Ground Water and Surface Water	Potassium as K	APHA 23rd Edition: 3500 K B
137	CHEMICAL- WATER	Ground Water and Surface Water	Residual Chlorine as Cl	APHA 23rd Edition: 4500 Cl B
138	CHEMICAL- WATER	Ground Water and Surface Water	Sodium as Na	APHA 23rd Edition: 3500 Na B
139	CHEMICAL- WATER	Ground Water and Surface Water	Sulphates as SO4-2	APHA 23rd Edition: 4500 SO4-2 D
140	CHEMICAL- WATER	Ground Water and Surface Water	Sulphide as S-2	APHA 23rd Edition: 4500 S2 F
141	CHEMICAL- WATER	Ground Water and Surface Water	Sulphite as SO3-2	APHA 23rd Edition: SO3-2 B
142	CHEMICAL- WATER	Ground Water and Surface Water	Temperature	APHA 23rd Edition: 2550 B
143	CHEMICAL- WATER	Ground Water and Surface Water	Total Cyanides as CN-	APHA 23rd Edition: 4500 CN- C, E
144	CHEMICAL- WATER	Ground Water and Surface Water	Total Dissolved Solids	APHA 23rd Edition: 2540 C
145	CHEMICAL- WATER	Ground Water and Surface Water	Total Hardness as CaCO3	APHA 23rd Edition: 2340 C
146	CHEMICAL- WATER	Ground Water and Surface Water	Total Solids	APHA 23rd Edition: 2540 B
147	CHEMICAL- WATER	Ground Water and Surface Water	Total Suspended Solids	APHA 23rd Edition: 2540 D
148	CHEMICAL- WATER	Ground Water and Surface Water	Volatile Solids	APHA 23rd Edition: 2540 E