SCOPE OF ACCREDITATION

Laboratory Name :	ENVIRONMENT PROTECTION TRAINING & RESEARCH INSTITUTE (EPTRI), 91/4, GACHIBOWLI, RANGA REDDY, HYDERABAD, TELANGANA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	TC-7709
Page No	1 of 14
Validity	25/08/2021 to 24/08/2023
Last Amended on	11/02/2023

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	BIOLOGICAL-ENVIRONMENT AND POLLUTION	Industrial Waste water	Escherichia coli	APHA 23rd Edition, 9221 F
2	BIOLOGICAL-ENVIRONMENT AND POLLUTION	Industrial Waste water	Fecal Coliforms	APHA 23rd Edition, 9221 E
3	BIOLOGICAL-ENVIRONMENT AND POLLUTION	Industrial Waste water	Fecal Streptococcal bacteria	APHA 23rd Edition, 9230 B
4	BIOLOGICAL-ENVIRONMENT AND POLLUTION	Industrial Waste water	Heterotrophic plate count (Standard plate count)	APHA 23rd Edition, 9215 B
5	BIOLOGICAL-ENVIRONMENT AND POLLUTION	Industrial Waste water	Salmonella spp	APHA 23rd Edition, 9260 B
6	BIOLOGICAL-ENVIRONMENT AND POLLUTION	Industrial Waste water	Total Coliforms	APHA 23rd Edition, 9221 B
7	BIOLOGICAL- WATER	Potable Water, Domestic Water, Treated Water	Escherichia coli	APHA 23rd Edition, 9221 F
8	BIOLOGICAL- WATER	Potable Water, Domestic Water, Treated Water	Fecal Coliforms	APHA 23rd Edition, 9221 E
9	BIOLOGICAL- WATER	Potable Water, Domestic Water, Treated Water	Fecal Streptococcal bacteria	APHA 23rd Edition, 9230 B
10	BIOLOGICAL- WATER	Potable Water, Domestic Water, Treated Water	Heterotrophic plate count (Standard plate count)	APHA 23rd Edition, 9215 B
11	BIOLOGICAL- WATER	Potable Water, Domestic Water, Treated Water	Total Coliforms	APHA 23rd Edition, 9221 B
12	BIOLOGICAL- WATER	Potable Water, Domestic Water, Treated Water,	Salmonella spp	APHA 23rd Edition, 9260 B
13	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Ammonia	EPTRI SOP 609, Issue : 03 Date:11.12.2013(Method:401, AWMA)
14	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Carbon Monoxide	EPTRI SOP 619, Issue : 03 Date:11.12.2013 (Electro chemical Sensor Based Method)
15	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Nitrogen Oxides	IS 5182 (Part –6) :2006 (Reaffirmed -2017)
16	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Ozone	EPTRI SOP 618, Issue : 03 Date:11.12.2013(Method:411, AWMA, KI Method)

SCOPE OF ACCREDITATION

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Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7709	**Page No**	2 of 14
Validity	25/08/2021 to 24/08/2023	**Last Amended on**	11/02/2023

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17	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Particulate Matter – PM2.5 µ	IS 5182 part24
18	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Respirable suspended Particulate matter (PM10)	IS 5182 (part 23)
19	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Sulphur Dioxide	IS 5182 (Part 2)
20	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Suspended Particulate Matter	EPTRI SOP 602 Issue : 03 Date:11.12.2013
21	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air (Trace Metals Collected on Filters)	Arsenic as As	EPTRI SOP 619, Issue : 03 Date:11.12.2013(Method:822, AWMA/ EPA Method-IO 3.4.1999)
22	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air (Trace Metals Collected on Filters)	Lead as Pb	EPTRI SOP 619, Issue : 03 Date:11.12.2013(Method:822, AWMA/ EPA Method-IO 3.4.1999)
23	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air (Trace Metals Collected on Filters)	Nickel as Ni	EPTRI SOP 619, Issue : 03 Date:11.12.2013(Method:822, AWMA/ EPA Method-IO 3.4.1999)
24	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Monitoring	Carbon Dioxide	SOP – 620, Issue:03 Date:11.12.2013(Flue Gas Analyzer)
25	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Monitoring	Carbon Monoxide	SOP – 620, Issue:03 Date:11.12.2013(Flue Gas Analyzer)
26	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Monitoring	Oxides of Nitrogen	IS: 11255 (Part –7)
27	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Monitoring	Oxygen	SOP – 620, Issue:03 Date:11.12.2013(Flue Gas Analyzer)
28	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Monitoring	Particulate Matter	IS: 11255 (Part – 1)
29	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Monitoring	Sulphur Dioxide	IS: 11255 (Part – II)
30	CHEMICAL- POLLUTION & ENVIRONMENT	Industrial Waste Water and Liquid Effluents	Aluminium as Al	APHA 23rd Edition, 3120-B (ICP-OES)
31	CHEMICAL- POLLUTION & ENVIRONMENT	Industrial Waste Water and Liquid Effluents	Ammonical Nitrogen as N	APHA 23rd Edition, 4500-NH3 C , (Titrimetric)

SCOPE OF ACCREDITATION

Laboratory Name :	ENVIRONMENT PROTECTION TRAINING & RESEARCH INSTITUTE (EPTRI), 91/4, GACHIBOWLI, RANGA REDDY, HYDERABAD, TELANGANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7709	**Page No**	3 of 14
Validity	25/08/2021 to 24/08/2023	**Last Amended on**	11/02/2023

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32	CHEMICAL- POLLUTION & ENVIRONMENT	Industrial Waste Water and Liquid Effluents	Antimony as Sb	APHA 23rd Edition, 3120-B(ICP-OES)
33	CHEMICAL- POLLUTION & ENVIRONMENT	Industrial Waste Water and Liquid Effluents	Arsenic as As	APHA 23rd Edition, 3120-B(ICP-OES)
34	CHEMICAL- POLLUTION & ENVIRONMENT	Industrial Waste Water and Liquid Effluents	Barium as Ba	APHA 23rd Edition, 3120-B(ICP-OES)
35	CHEMICAL- POLLUTION & ENVIRONMENT	Industrial Waste Water and Liquid Effluents	Biochemical Oxygen Demand (5 days at 20 deg C)	APHA 23rd Edition, 5210 – B, (Titrimetric)
36	CHEMICAL- POLLUTION & ENVIRONMENT	Industrial Waste Water and Liquid Effluents	Biochemical Oxygen Demand (3 days at 27 deg C)	IS 3025 (Part 44) :
37	CHEMICAL- POLLUTION & ENVIRONMENT	Industrial Waste Water and Liquid Effluents	Boron as B	APHA 23rd Edition, 3120-B(ICP-OES)
38	CHEMICAL- POLLUTION & ENVIRONMENT	Industrial Waste Water and Liquid Effluents	Cadmium as Cd	APHA 23rd Edition, 3120-B(ICP-OES)
39	CHEMICAL- POLLUTION & ENVIRONMENT	Industrial Waste Water and Liquid Effluents	Calcium as Ca	APHA 23rd Edition, 3120-B(ICP-OES)
40	CHEMICAL- POLLUTION & ENVIRONMENT	Industrial Waste Water and Liquid Effluents	Chemical Oxygen Demand	APHA 23rd Edition, 5220-B, (open reflux)
41	CHEMICAL- POLLUTION & ENVIRONMENT	Industrial Waste Water and Liquid Effluents	Chloride as Cl-	APHA 23rd Edition, 4500 Cl-B (Argentometric)
42	CHEMICAL- POLLUTION & ENVIRONMENT	Industrial Waste Water and Liquid Effluents	Chromium as Cr	APHA 23rd Edition, 3120-B(ICP-OES)
43	CHEMICAL- POLLUTION & ENVIRONMENT	Industrial Waste Water and Liquid Effluents	Cobalt as Co	APHA 23rd Edition, 3120-B(ICP-OES)
44	CHEMICAL- POLLUTION & ENVIRONMENT	Industrial Waste Water and Liquid Effluents	Colour	APHA 23rd Edition, 2120. D, (Spectrometric method)
45	CHEMICAL- POLLUTION & ENVIRONMENT	Industrial Waste Water and Liquid Effluents	Copper as Cu	APHA 23rd Edition, 3120-B(ICP-OES)
46	CHEMICAL- POLLUTION & ENVIRONMENT	Industrial Waste Water and Liquid Effluents	Cyanide as CN-	APHA 23rd Edition, 4500-CN-.F, (Selective Electrode)
47	CHEMICAL- POLLUTION & ENVIRONMENT	Industrial Waste Water and Liquid Effluents	Electrical Conductivity	APHA 23rd Edition, 2510. B , (Electrochemical)
48	CHEMICAL- POLLUTION & ENVIRONMENT	Industrial Waste Water and Liquid Effluents	Fluoride as F	APHA 23rd Edition, 4500- F-.C (Selective Electrode)
49	CHEMICAL- POLLUTION & ENVIRONMENT	Industrial Waste Water and Liquid Effluents	Hexavalent Chromium as Cr+6	APHA 23rd Edition, , 3500-Cr. B (Spectrophotometric)
50	CHEMICAL- POLLUTION & ENVIRONMENT	Industrial Waste Water and Liquid Effluents	Iron as Fe	APHA 23rd Edition, 3120-B(ICP-OES)

SCOPE OF ACCREDITATION

Laboratory Name : ENVIRONMENT PROTECTION TRAINING & RESEARCH INSTITUTE (EPTRI), 91/4, GACHIBOWLI, RANGA REDDY, HYDERABAD, TELANGANA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7709 **Page No** 4 of 14

Validity 25/08/2021 to 24/08/2023 **Last Amended on** 11/02/2023

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
51	CHEMICAL- POLLUTION & ENVIRONMENT	Industrial Waste Water and Liquid Effluents	Lead as Pb	APHA 23rd Edition, 3120-B(ICP-OES)
52	CHEMICAL- POLLUTION & ENVIRONMENT	Industrial Waste Water and Liquid Effluents	Lithium as Li	APHA 23rd Edition, 3120-B(ICP-OES)
53	CHEMICAL- POLLUTION & ENVIRONMENT	Industrial Waste Water and Liquid Effluents	Magnesium as Mg	APHA 23rd Edition, 3120-B(ICP-OES)
54	CHEMICAL- POLLUTION & ENVIRONMENT	Industrial Waste Water and Liquid Effluents	Manganese as Mn	APHA 23rd Edition, 3120-B(ICP-OES)
55	CHEMICAL- POLLUTION & ENVIRONMENT	Industrial Waste Water and Liquid Effluents	Mercury as Hg	APHA 23rd Edition, 3500-Hg
56	CHEMICAL- POLLUTION & ENVIRONMENT	Industrial Waste Water and Liquid Effluents	Molybdenum as Mo	APHA 23rd Edition, 3120-B(ICP-OES)
57	CHEMICAL- POLLUTION & ENVIRONMENT	Industrial Waste Water and Liquid Effluents	Nickel as Ni	APHA 23rd Edition, 3120-B(ICP-OES)
58	CHEMICAL- POLLUTION & ENVIRONMENT	Industrial Waste Water and Liquid Effluents	Oil & Grease	APHA 23rd Edition, 5520. B, (Partition–Gravimetric)
59	CHEMICAL- POLLUTION & ENVIRONMENT	Industrial Waste Water and Liquid Effluents	pH @ 25ºC	APHA 23rd Edition, 4500-H+B, (Electrometric)
60	CHEMICAL- POLLUTION & ENVIRONMENT	Industrial Waste Water and Liquid Effluents	Phenolic Compounds as C6H5OH	APHA 23rd Edition, 5530-D (Direct Photometric)
61	CHEMICAL- POLLUTION & ENVIRONMENT	Industrial Waste Water and Liquid Effluents	Potassium as K	APHA 23rd Edition, 3120-B(ICP-OES)
62	CHEMICAL- POLLUTION & ENVIRONMENT	Industrial Waste Water and Liquid Effluents	Potassium as K	APHA 23RD EDITION, 3500K-B, (By Flame Photometry)
63	CHEMICAL- POLLUTION & ENVIRONMENT	Industrial Waste Water and Liquid Effluents	Selenium as Se	APHA 23rd Edition, 3120-B(ICP-OES)
64	CHEMICAL- POLLUTION & ENVIRONMENT	Industrial Waste Water and Liquid Effluents	Silica as SiO2	APHA 23rd Edition, 3120-B(ICP-OES)
65	CHEMICAL- POLLUTION & ENVIRONMENT	Industrial Waste Water and Liquid Effluents	Silver as Ag	APHA 23rd Edition, 3120-B(ICP-OES)
66	CHEMICAL- POLLUTION & ENVIRONMENT	Industrial Waste Water and Liquid Effluents	Sodium as Na	APHA 23rd Edition, 3120-B(ICP-OES)
67	CHEMICAL- POLLUTION & ENVIRONMENT	Industrial Waste Water and Liquid Effluents	Sodium as Na	APHA 23rd Edition, 3500-Na-B
68	CHEMICAL- POLLUTION & ENVIRONMENT	Industrial Waste Water and Liquid Effluents	Sulfate as SO42	APHA 23rd Edition, 4500-SO42-. C, (Gravimetric)
69	CHEMICAL- POLLUTION & ENVIRONMENT	Industrial Waste Water and Liquid Effluents	Sulfate as SO42	APHA 23rd Edition, 4500-SO42-. E, (Turbidimetric)

SCOPE OF ACCREDITATION

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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7709 **Page No** 5 of 14

Validity 25/08/2021 to 24/08/2023 **Last Amended on** 11/02/2023

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70	CHEMICAL- POLLUTION & ENVIRONMENT	Industrial Waste Water and Liquid Effluents	Sulfide as S2	APHA 23rd Edition, 4500-S2-.F& D, (Titrimetric)
71	CHEMICAL- POLLUTION & ENVIRONMENT	Industrial Waste Water and Liquid Effluents	Total Dissolved Solids	APHA 23rd Edition, 2540. C, (Gravimetric)
72	CHEMICAL- POLLUTION & ENVIRONMENT	Industrial Waste Water and Liquid Effluents	Total Kjeldahl Nitrogen as N	APHA 23rd Edition, 4500-Norg.B, (Macro-Kjeldahl)
73	CHEMICAL- POLLUTION & ENVIRONMENT	Industrial Waste Water and Liquid Effluents	Total Phosphate as PO4	APHA 23rd Edition, 4500- P.D, (Spectrophotometric)
74	CHEMICAL- POLLUTION & ENVIRONMENT	Industrial Waste Water and Liquid Effluents	Total Suspended Solids	APHA 23rd Edition, 2540. D, (Gravimetric)
75	CHEMICAL- POLLUTION & ENVIRONMENT	Industrial Waste Water and Liquid Effluents	Turbidity	APHA 23rd Edition, 2130. B, (Nephelometric)
76	CHEMICAL- POLLUTION & ENVIRONMENT	Industrial Waste Water and Liquid Effluents	Vanadium as V	APHA 23rd Edition, 3120-B(ICP-OES)
77	CHEMICAL- POLLUTION & ENVIRONMENT	Industrial Waste Water and Liquid Effluents	Zinc as Zn	APHA 23rd Edition, 3120-B(ICP-OES)
78	CHEMICAL- POLLUTION & ENVIRONMENT	Metals in TCLP Extract	Arsenic as As	APHA 23rd Edition, 3120-B(ICP-OES), USEPA- 1311 TCLP, 1992-Extraction method.
79	CHEMICAL- POLLUTION & ENVIRONMENT	Metals in TCLP Extract	Cadmium as Cd	APHA 23rd Edition, 3120-B(ICP-OES), USEPA- 1311 TCLP, 1992-Extraction method.
80	CHEMICAL- POLLUTION & ENVIRONMENT	Metals in TCLP Extract	Chromium as Cr	APHA 23rd Edition, 3120-B(ICP-OES), USEPA- 1311 TCLP, 1992-Extraction method.
81	CHEMICAL- POLLUTION & ENVIRONMENT	Metals in TCLP Extract	Copper as Cu	APHA 23rd Edition, 3120-B(ICP-OES), USEPA- 1311 TCLP, 1992-Extraction method.
82	CHEMICAL- POLLUTION & ENVIRONMENT	Metals in TCLP Extract	Iron as Fe	APHA 23rd Edition, 3120-B(ICP-OES), USEPA- 1311 TCLP, 1992-Extraction method.
83	CHEMICAL- POLLUTION & ENVIRONMENT	Metals in TCLP Extract	Lead as Pb	APHA 23rd Edition, 3120-B(ICP-OES), USEPA- 1311 TCLP, 1992-Extraction method.
84	CHEMICAL- POLLUTION & ENVIRONMENT	Metals in TCLP Extract	Manganese as Mn	APHA 23rd Edition, 3120-B(ICP-OES), USEPA- 1311 TCLP, 1992-Extraction method.
85	CHEMICAL- POLLUTION & ENVIRONMENT	Metals in TCLP Extract	Nickel as Ni	APHA 23rd Edition, 3120-B(ICP-OES), USEPA- 1311 TCLP, 1992-Extraction method.

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Laboratory Name : ENVIRONMENT PROTECTION TRAINING & RESEARCH INSTITUTE (EPTRI), 91/4, GACHIBOWLI, RANGA REDDY, HYDERABAD, TELANGANA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7709 **Page No** 6 of 14

Validity 25/08/2021 to 24/08/2023 **Last Amended on** 11/02/2023

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
86	CHEMICAL- POLLUTION & ENVIRONMENT	Soils	Aluminium as Al	EPA SW-846-6010B /3050B
87	CHEMICAL- POLLUTION & ENVIRONMENT	Soils	Ammonical Nitrogen, Nitrite, Nitrate and Nitrogen	IS: 14684
88	CHEMICAL- POLLUTION & ENVIRONMENT	Soils	Antimony as Sb	EPA SW-846-6010B/ 3050B
89	CHEMICAL- POLLUTION & ENVIRONMENT	Soils	Arsenic as As	EPA SW-846-6010B/ 3050B
90	CHEMICAL- POLLUTION & ENVIRONMENT	Soils	Barium as Ba	EPA SW-846-6010B/ 3050B
91	CHEMICAL- POLLUTION & ENVIRONMENT	Soils	Boron as B	EPA SW-846-6010B/ 3050B
92	CHEMICAL- POLLUTION & ENVIRONMENT	Soils	Cadmium as Cd	EPA SW-846-6010B/ 3050B
93	CHEMICAL- POLLUTION & ENVIRONMENT	Soils	Calcium as Ca	EPA SW-846-6010B/ 3050B
94	CHEMICAL- POLLUTION & ENVIRONMENT	Soils	Cation Exchange Capacity	IS: 2720 (Part – 24)
95	CHEMICAL- POLLUTION & ENVIRONMENT	Soils	Chlorides	SOP-309 ISSUE-04, Date: 17.11.2017
96	CHEMICAL- POLLUTION & ENVIRONMENT	Soils	Chromium as Cr	EPA SW-846-6010B/ 3050B
97	CHEMICAL- POLLUTION & ENVIRONMENT	Soils	Cobalt as Co	EPA SW-846-6010B/ 3050B
98	CHEMICAL- POLLUTION & ENVIRONMENT	Soils	Copper as Cu	EPA SW-846-6010B/ 3050B
99	CHEMICAL- POLLUTION & ENVIRONMENT	Soils	Electrical Conductivity	IS:14767
100	CHEMICAL- POLLUTION & ENVIRONMENT	Soils	Fluorides	SOP-310 ISSUE-04, Date: 17.11.2017
101	CHEMICAL- POLLUTION & ENVIRONMENT	Soils	Iron as Fe	EPA SW-846-6010B/ 3050B
102	CHEMICAL- POLLUTION & ENVIRONMENT	Soils	Lead as Pb	EPA SW-846-6010B/ 3050B
103	CHEMICAL- POLLUTION & ENVIRONMENT	Soils	Lithium as Li	EPA SW-846-6010B/ 3050B
104	CHEMICAL- POLLUTION & ENVIRONMENT	Soils	Magnesium as Mg	EPA SW-846-6010B/ 3050B

SCOPE OF ACCREDITATION

Laboratory Name : ENVIRONMENT PROTECTION TRAINING & RESEARCH INSTITUTE (EPTRI), 91/4, GACHIBOWLI, RANGA REDDY, HYDERABAD, TELANGANA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7709 **Page No** 7 of 14

Validity 25/08/2021 to 24/08/2023 **Last Amended on** 11/02/2023

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
105	CHEMICAL- POLLUTION & ENVIRONMENT	Soils	Manganese as Mn	EPA SW-846-6010B/ 3050B
106	CHEMICAL- POLLUTION & ENVIRONMENT	Soils	Mercury as Hg	EPA SW-846-7471
107	CHEMICAL- POLLUTION & ENVIRONMENT	Soils	Moisture content	IS: 15106
108	CHEMICAL- POLLUTION & ENVIRONMENT	Soils	Molybdenum as Mo	EPA SW-846-6010B/ 3050B
109	CHEMICAL- POLLUTION & ENVIRONMENT	Soils	Nickel as Ni	EPA SW-846-6010B/ 3050B
110	CHEMICAL- POLLUTION & ENVIRONMENT	Soils	Organic matter	IS: 2720 (Part 22)
111	CHEMICAL- POLLUTION & ENVIRONMENT	Soils	pH @ 25ºC	IS -2720 (PART 26)
112	CHEMICAL- POLLUTION & ENVIRONMENT	Soils	Potassium as K	EPA SW-846-6010B/ 3050B
113	CHEMICAL- POLLUTION & ENVIRONMENT	Soils	Selenium as Se	EPA SW-846-6010B/ 3050B
114	CHEMICAL- POLLUTION & ENVIRONMENT	Soils	Silica as SiO2	EPA SW-846-6010B/ 3050B
115	CHEMICAL- POLLUTION & ENVIRONMENT	Soils	Silver as Ag	EPA SW-846-6010B/ 3050B
116	CHEMICAL- POLLUTION & ENVIRONMENT	Soils	Sodium as Na	EPA SW-846-6010B/ 3050B
117	CHEMICAL- POLLUTION & ENVIRONMENT	Soils	Soluble Sulphates	IS: 2720 (Part-27)
118	CHEMICAL- POLLUTION & ENVIRONMENT	Soils	Soluble Sulphates (gravimetric)	IS: 2720 (Part 27I)
119	CHEMICAL- POLLUTION & ENVIRONMENT	Soils	Total Kjeldahl Nitrogen	IS: 14684
120	CHEMICAL- POLLUTION & ENVIRONMENT	Soils	Total Soluble Solids	IS: 2720 (Part-21)
121	CHEMICAL- POLLUTION & ENVIRONMENT	Soils	Vanadium as V	EPA SW-846-6010B/ 3050B
122	CHEMICAL- POLLUTION & ENVIRONMENT	Soils	Zinc as Zn	EPA SW-846-6010B/ 3050B
123	CHEMICAL- POLLUTION & ENVIRONMENT	Solid Waste/Hazardous Solid Waste	Aluminium as Al	EPA-SW-846-6010B / 3050B

SCOPE OF ACCREDITATION

Laboratory Name : ENVIRONMENT PROTECTION TRAINING & RESEARCH INSTITUTE (EPTRI), 91/4, GACHIBOWLI, RANGA REDDY, HYDERABAD, TELANGANA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7709 **Page No** 8 of 14

Validity 25/08/2021 to 24/08/2023 **Last Amended on** 11/02/2023

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
124	CHEMICAL- POLLUTION & ENVIRONMENT	Solid Waste/Hazardous Solid Waste	Antimony as Sb	EPA-SW-846-6010B / 3050B
125	CHEMICAL- POLLUTION & ENVIRONMENT	Solid Waste/Hazardous Solid Waste	Arsenic as As	EPA-SW-846-6010B/ 3050B
126	CHEMICAL- POLLUTION & ENVIRONMENT	Solid Waste/Hazardous Solid Waste	Barium as Ba	EPA-SW-846-6010B/ 3050B
127	CHEMICAL- POLLUTION & ENVIRONMENT	Solid Waste/Hazardous Solid Waste	Boron as B	EPA-SW-846-6010B/ 3050B
128	CHEMICAL- POLLUTION & ENVIRONMENT	Solid Waste/Hazardous Solid Waste	Cadmium as Cd	EPA-SW-846-6010B/ 3050B
129	CHEMICAL- POLLUTION & ENVIRONMENT	Solid Waste/Hazardous Solid Waste	Calcium as Ca	EPA-SW-846-6010B/ 3050B
130	CHEMICAL- POLLUTION & ENVIRONMENT	Solid Waste/Hazardous Solid Waste	Carbon	SOP-142 ISSUE No.03 Date:11.12.2013 By CHNS Analyzer
131	CHEMICAL- POLLUTION & ENVIRONMENT	Solid Waste/Hazardous Solid Waste	Chromium as Cr	EPA-SW-846-6010B/ 3050B
132	CHEMICAL- POLLUTION & ENVIRONMENT	Solid Waste/Hazardous Solid Waste	Cobalt as Co	EPA-SW-846-6010B/ 3050B
133	CHEMICAL- POLLUTION & ENVIRONMENT	Solid Waste/Hazardous Solid Waste	Copper as Cu	EPA-SW-846-6010B/ 3050B
134	CHEMICAL- POLLUTION & ENVIRONMENT	Solid Waste/Hazardous Solid Waste	Electrical Conductivity	IS:14767
135	CHEMICAL- POLLUTION & ENVIRONMENT	Solid Waste/Hazardous Solid Waste	Hexavalent Chromium as Cr+6	EPA-SW – 846 – 7000.B / 7196
136	CHEMICAL- POLLUTION & ENVIRONMENT	Solid Waste/Hazardous Solid Waste	Hydrogen	SOP-142 ISSUE No.03 Date:11.12.2013 By CHNS Analyzer
137	CHEMICAL- POLLUTION & ENVIRONMENT	Solid Waste/Hazardous Solid Waste	Iron as Fe	EPA-SW-846-6010B/ 3050B
138	CHEMICAL- POLLUTION & ENVIRONMENT	Solid Waste/Hazardous Solid Waste	Lead as Pb	EPA-SW-846-6010B/ 3050B
139	CHEMICAL- POLLUTION & ENVIRONMENT	Solid Waste/Hazardous Solid Waste	Lithium as Li	EPA-SW-846-6010B/ 3050B
140	CHEMICAL- POLLUTION & ENVIRONMENT	Solid Waste/Hazardous Solid Waste	Magnesium as Mg	EPA-SW-846-6010B/ 3050B
141	CHEMICAL- POLLUTION & ENVIRONMENT	Solid Waste/Hazardous Solid Waste	Manganese as Mn	EPA-SW-846-6010B/3050B

SCOPE OF ACCREDITATION

Laboratory Name : ENVIRONMENT PROTECTION TRAINING & RESEARCH INSTITUTE (EPTRI), 91/4, GACHIBOWLI, RANGA REDDY, HYDERABAD, TELANGANA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7709 **Page No** 9 of 14

Validity 25/08/2021 to 24/08/2023 **Last Amended on** 11/02/2023

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
142	CHEMICAL- POLLUTION & ENVIRONMENT	Solid Waste/Hazardous Solid Waste	Mercury as Hg	EPA-SW-846-7471
143	CHEMICAL- POLLUTION & ENVIRONMENT	Solid Waste/Hazardous Solid Waste	Moisture content	IS: 15106
144	CHEMICAL- POLLUTION & ENVIRONMENT	Solid Waste/Hazardous Solid Waste	Molybdenum as Mo	EPA-SW-846-6010B/ 3050B
145	CHEMICAL- POLLUTION & ENVIRONMENT	Solid Waste/Hazardous Solid Waste	Nickel as Ni	EPA-SW-846-6010B/ 3050B
146	CHEMICAL- POLLUTION & ENVIRONMENT	Solid Waste/Hazardous Solid Waste	Nitrogen	SOP-142 ISSUE No.03 Date:11.12.2013 By CHNS Analyzer
147	CHEMICAL- POLLUTION & ENVIRONMENT	Solid Waste/Hazardous Solid Waste	Organic matter	IS: 2720 (Part 22)
148	CHEMICAL- POLLUTION & ENVIRONMENT	Solid Waste/Hazardous Solid Waste	pH @ 25ºC	EPA-SW – 846 – 9045.C
149	CHEMICAL- POLLUTION & ENVIRONMENT	Solid Waste/Hazardous Solid Waste	Potassium as K	EPA-SW-846-6010B/ 3050B
150	CHEMICAL- POLLUTION & ENVIRONMENT	Solid Waste/Hazardous Solid Waste	Selenium as Se	EPA-SW-846-6010B/ 3050B
151	CHEMICAL- POLLUTION & ENVIRONMENT	Solid Waste/Hazardous Solid Waste	Silica as SiO2	EPA-SW-846-6010B/ 3050B
152	CHEMICAL- POLLUTION & ENVIRONMENT	Solid Waste/Hazardous Solid Waste	Silver as Ag	EPA-SW-846-6010B/ 3050B
153	CHEMICAL- POLLUTION & ENVIRONMENT	Solid Waste/Hazardous Solid Waste	Sodium as Na	EPA-SW-846-6010B/ 3050B
154	CHEMICAL- POLLUTION & ENVIRONMENT	Solid Waste/Hazardous Solid Waste	Sulphur	SOP-142 ISSUE No.03 Date:11.12.2013 By CHNS Analyzer
155	CHEMICAL- POLLUTION & ENVIRONMENT	Solid Waste/Hazardous Solid Waste	Vanadium as V	EPA-SW-846-6010B/ 3050B
156	CHEMICAL- POLLUTION & ENVIRONMENT	Solid Waste/Hazardous Solid Waste	Zinc as Zn	EPA-SW-846-6010B/ 3050B
157	CHEMICAL- RESIDUES IN WATER	Ground water and Surface water	Aluminium as Al	APHA 23rd Edition, -3120-B (ICP-OES)
158	CHEMICAL- RESIDUES IN WATER	Ground water and Surface water	Antimony as Sb	APHA 23rd Edition, ,3120-B (ICP-OES)
159	CHEMICAL- RESIDUES IN WATER	Ground water and Surface water	Arsenic as As	APHA 23rd Edition, 3120-B(ICP-OES)

SCOPE OF ACCREDITATION

Laboratory Name : ENVIRONMENT PROTECTION TRAINING & RESEARCH INSTITUTE (EPTRI), 91/4, GACHIBOWLI, RANGA REDDY, HYDERABAD, TELANGANA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7709 **Page No** 10 of 14

Validity 25/08/2021 to 24/08/2023 **Last Amended on** 11/02/2023

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
160	CHEMICAL- RESIDUES IN WATER	Ground water and Surface water	Barium as Ba	APHA 23rd Edition, 3120-B(ICP-OES)
161	CHEMICAL- RESIDUES IN WATER	Ground water and Surface water	Boron as B	APHA 23rd Edition, 3120-B(ICP-OES)
162	CHEMICAL- RESIDUES IN WATER	Ground water and Surface water	Cadmium as Cd	APHA 23rd Edition, 3120-B(ICP-OES)
163	CHEMICAL- RESIDUES IN WATER	Ground water and Surface water	Calcium as Ca	APHA 23rd Edition, 3120-B(ICP-OES)
164	CHEMICAL- RESIDUES IN WATER	Ground water and Surface water	Chromium as Cr	APHA 23rd Edition, 3120-B(ICP-OES)
165	CHEMICAL- RESIDUES IN WATER	Ground water and Surface water	Cobalt as Co	APHA 23rd Edition, 3120-B(ICP-OES)
166	CHEMICAL- RESIDUES IN WATER	Ground water and Surface water	Copper as Cu	APHA 23rd Edition, 3120-B(ICP-OES)
167	CHEMICAL- RESIDUES IN WATER	Ground water and Surface water	Iron as Fe	APHA 23rd Edition, 3120-B(ICP-OES)
168	CHEMICAL- RESIDUES IN WATER	Ground water and Surface water	Lead as Pb	APHA 23RD Edition, 3120-B(ICP-OES)
169	CHEMICAL- RESIDUES IN WATER	Ground water and Surface water	Lithium as Li	APHA 23rd Edition, 3120-B(ICP-OES)
170	CHEMICAL- RESIDUES IN WATER	Ground water and Surface water	Magnesium as Mg	APHA 23rd Edition, 3120-B(ICP-OES)
171	CHEMICAL- RESIDUES IN WATER	Ground water and Surface water	Manganese as Mn	APHA 23rd Edition, 3120-B(ICP-OES)
172	CHEMICAL- RESIDUES IN WATER	Ground water and Surface water	Molybdenum as Mo	APHA 23rd Edition, 3120-B(ICP-OES)
173	CHEMICAL- RESIDUES IN WATER	Ground water and Surface water	Nickel as Ni	APHA 23rD Edition, 3120-B(ICP-OES)
174	CHEMICAL- RESIDUES IN WATER	Ground water and Surface water	Potassium as K	APHA 23rd Edition, 3120-B(ICP-OES)
175	CHEMICAL- RESIDUES IN WATER	Ground water and Surface water	Selenium as Se	APHA 23rd Edition, 3120-B(ICP-OES)
176	CHEMICAL- RESIDUES IN WATER	Ground water and Surface water	Silica as SiO2	APHA 23rd Edition, 3120-B(ICP-OES)
177	CHEMICAL- RESIDUES IN WATER	Ground water and Surface water	Silver as Ag	APHA 23rd Edition, 3120-B(ICP-OES)
178	CHEMICAL- RESIDUES IN WATER	Ground water and Surface water	Sodium as Na	APHA 23rd Edition, 3120-B(ICP-OES)

SCOPE OF ACCREDITATION

Laboratory Name : ENVIRONMENT PROTECTION TRAINING & RESEARCH INSTITUTE (EPTRI), 91/4, GACHIBOWLI, RANGA REDDY, HYDERABAD, TELANGANA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7709 **Page No** 11 of 14

Validity 25/08/2021 to 24/08/2023 **Last Amended on** 11/02/2023

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
179	CHEMICAL- RESIDUES IN WATER	Ground water and Surface water	Vanadium as V	APHA 23rd Edition, 3120-B(ICP-OES)
180	CHEMICAL- RESIDUES IN WATER	Ground water and Surface water	Zinc as Zn	APHA 23rd Edition, 3120-B(ICP-OES)
181	CHEMICAL- RESIDUES IN WATER	Pesticides residue-(Organo- Chlorine Pesticides)	Aldrin	APHA 23rd Edition,6410-B GCMS/MS:2017
182	CHEMICAL- RESIDUES IN WATER	Pesticides residue-(Organo- Chlorine Pesticides)	BHC (alpha)	APHA 23rd Edition,6410-B GCMS/MS:2017
183	CHEMICAL- RESIDUES IN WATER	Pesticides residue-(Organo- Chlorine Pesticides)	BHC (beta)	APHA 23rd Edition,6410-B GCMS/MS:2017
184	CHEMICAL- RESIDUES IN WATER	Pesticides residue-(Organo- Chlorine Pesticides)	BHC (delta)/ BHC	APHA 23rd Edition,6410-B GCMS/MS:2017
185	CHEMICAL- RESIDUES IN WATER	Pesticides residue-(Organo- Chlorine Pesticides)	Chlordane	APHA 23rd Edition,6410-B GCMS/MS:2017
186	CHEMICAL- RESIDUES IN WATER	Pesticides residue-(Organo- Chlorine Pesticides)	Dieldrin	APHA 23rd Edition,6410-B GCMS/MS:2017
187	CHEMICAL- RESIDUES IN WATER	Pesticides residue-(Organo- Chlorine Pesticides)	Endosulphan	APHA 23rd Edition,6410-B GCMS/MS:2017
188	CHEMICAL- RESIDUES IN WATER	Pesticides residue-(Organo- Chlorine Pesticides)	Endosulphan Sulphate	APHA 23rd Edition,6410-B GCMS/MS:2017
189	CHEMICAL- RESIDUES IN WATER	Pesticides residue-(Organo- Chlorine Pesticides)	Endrin	APHA 23rd Edition,6410-B GCMS/MS:2017
190	CHEMICAL- RESIDUES IN WATER	Pesticides residue-(Organo- Chlorine Pesticides)	Endrin Aldehyde	APHA 23rd Edition,6410-B GCMS/MS:2017
191	CHEMICAL- RESIDUES IN WATER	Pesticides residue-(Organo- Chlorine Pesticides)	Heptachlor	APHA 23rd Edition,6410-B GCMS/MS:2017
192	CHEMICAL- RESIDUES IN WATER	Pesticides residue-(Organo- Chlorine Pesticides)	Heptachlor epoxide	APHA 23rd Edition,6410-B GCMS/MS:2017
193	CHEMICAL- RESIDUES IN WATER	Pesticides residue-(Organo- Chlorine Pesticides)	Lindane	APHA 23rd Edition,6410-B GCMS/MS:2017
194	CHEMICAL- RESIDUES IN WATER	Pesticides residue-(Organo- Chlorine Pesticides)	p,p- DDE	APHA 23rd Edition,6410-B GCMS/MS:2017
195	CHEMICAL- RESIDUES IN WATER	Pesticides residue-(Organo- Chlorine Pesticides)	p,p-DDD	APHA 23rd Edition,6410-B GCMS/MS:2017
196	CHEMICAL- RESIDUES IN WATER	Pesticides residue-(Organo- Chlorine Pesticides)	p,p-DDT,2,4,DDT or 4,4, DDT	APHA 23rd Edition,6410-B GCMS/MS:2017
197	CHEMICAL- RESIDUES IN WATER	Pesticides residue-(Organo- Phosphorous Pesticides)	Chloropyriphos	APHA 23rd Edition,6410-B GCMS/MS:2017

SCOPE OF ACCREDITATION

Laboratory Name : ENVIRONMENT PROTECTION TRAINING & RESEARCH INSTITUTE (EPTRI), 91/4, GACHIBOWLI, RANGA REDDY, HYDERABAD, TELANGANA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7709 **Page No** 12 of 14

Validity 25/08/2021 to 24/08/2023 **Last Amended on** 11/02/2023

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
198	CHEMICAL- RESIDUES IN WATER	Pesticides residue-(Organo- Phosphorous Pesticides)	Dimethoate	APHA 23rd Edition,6410-B GCMS/MS:2017
199	CHEMICAL- RESIDUES IN WATER	Pesticides residue-(Organo- Phosphorous Pesticides)	Ethion	APHA 23rd Edition,6410-B GCMS/MS:2017
200	CHEMICAL- RESIDUES IN WATER	Pesticides residue-(Organo- Phosphorous Pesticides)	Malathion	APHA 23rd Edition,6410-B GCMS/MS:2017
201	CHEMICAL- RESIDUES IN WATER	Pesticides residue-(Organo- Phosphorous Pesticides)	Methyl Parathion	APHA 23rd Edition,6410-B GCMS/MS:2017
202	CHEMICAL- RESIDUES IN WATER	Pesticides residue-(Organo- Phosphorous Pesticides)	Phorate	APHA 23rd Edition,6410-B GCMS/MS: 2017
203	CHEMICAL- RESIDUES IN WATER	Poly Chlorinated Biphenyls (PCB's)	Aroclor- 1016,1232,1248,1260, 1221,1242,1254	USEPA -8082A , 8270D
204	CHEMICAL- SOLID FUELS	Coal	Ash content	IS 1350 Part 1
205	CHEMICAL- SOLID FUELS	Coal	Gross Calorific Value (GCV)	IS 1350 Part 2
206	CHEMICAL- SOLID FUELS	Coal	Moisture as per Cl.6.1 e (Moisture in air-dried laboratory analysis sample of coal)	IS 1350 Part 1
207	CHEMICAL- SOLID FUELS	Coal	Moisture as per Clause 6.1 b (Moisture in coal equilibrated at 60 percent relative humidity and 40 deg.Centigrade)	IS 1350 Part 1
208	CHEMICAL- SOLID FUELS	Coal	Sulphur	IS 1350 Part 3
209	CHEMICAL- SOLID FUELS	Coal	Volatile Matter	IS 1350 Part 1
210	CHEMICAL- WATER	Distilled Water	Electrical Conductivity	APHA 23rd Edition, 2510. B, (Electrochemical)
211	CHEMICAL- WATER	Distilled Water	pH @ 25ºC	APHA 23rd Edition, 4500-H+B, (Electrometric)
212	CHEMICAL- WATER	Distilled Water	Reactive Silica as SiO2	APHA 23rd Edition, 4500-SiO2.C, (Spectrophotometric)
213	CHEMICAL- WATER	Distilled Water	Total Solids	APHA 23rd Edition, 2540. B, (Gravimetric)
214	CHEMICAL- WATER	Ground water and Surface water	Biochemical Oxygen Demand (3 days at 27ºC)	IS 3025 (Part 44) :
215	CHEMICAL- WATER	Ground water and Surface water	Calcium as Ca	APHA 23rd Edition, 3500-Ca.B,(Complexometric)
216	CHEMICAL- WATER	Ground water and Surface water	Chemical Oxygen Demand	APHA 23rd Edition, 5220-B, (Open Reflux)

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Laboratory Name : ENVIRONMENT PROTECTION TRAINING & RESEARCH INSTITUTE (EPTRI), 91/4, GACHIBOWLI, RANGA REDDY, HYDERABAD, TELANGANA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7709 **Page No** 13 of 14

Validity 25/08/2021 to 24/08/2023 **Last Amended on** 11/02/2023

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
217	CHEMICAL- WATER	Ground water and Surface water	Chloride as Cl-	APHA 23rd Edition, 4500-Cl-.B, (Argentometric)
218	CHEMICAL- WATER	Ground water and Surface water	Colour	APHA 23rd Edition, 2120. B, (Visual Comparison)
219	CHEMICAL- WATER	Ground water and Surface water	Cyanide as CN	APHA 23rd Edition, 4500- CN-.F, (Selective Electrode)
220	CHEMICAL- WATER	Ground water and Surface water	Electrical Conductivity	APHA 23rd Edition, 2510. B, (Electrochemical)
221	CHEMICAL- WATER	Ground water and Surface water	Fluoride as F	APHA 23rd Edition, 4500- F-.C, (Selective Electrode)
222	CHEMICAL- WATER	Ground water and Surface water	Fluoride as F	APHA 23rd Edition, 4500- F-.D, (SPADNS)
223	CHEMICAL- WATER	Ground water and Surface water	Hexavalent Chromium as Cr+6	APHA 23rd Edition, , 3500-Cr+6.B, (Colorimetric)
224	CHEMICAL- WATER	Ground water and Surface water	Magnesium as Mg	APHA 23rd Edition, 3500 - Mg.B, (Complexometric)
225	CHEMICAL- WATER	Ground water and Surface water	Nitrate as NO3 -	APHA 23rd Edition, 4500-NO3-.B,(Spectrophotometric)
226	CHEMICAL- WATER	Ground water and Surface water	Nitrite as NO2	APHA 23rd Edition, 4500- NO2-.B, (Colorimetric)
227	CHEMICAL- WATER	Ground water and Surface water	pH @ 25ºC	APHA 23rd Edition, 4500-H+B, (Electrometric)
228	CHEMICAL- WATER	Ground water and Surface water	Potassium as K	APHA 23rd Edition, 3500K-B (By Flame Photometry)
229	CHEMICAL- WATER	Ground water and Surface water	Sodium as Na	APHA 23rd Edition, 3500Na-B(By Flame Photometry)
230	CHEMICAL- WATER	Ground water and Surface water	Sulfate as SO42-	APHA 23rd Edition, 4500-SO42-.C, (Gravimetric)
231	CHEMICAL- WATER	Ground water and Surface water	Sulfate as SO42-	APHA 23rd Edition, 4500-SO42-.E, (Turbidimetric)
232	CHEMICAL- WATER	Ground water and Surface water	Total Alkalinity as CaCO3	APHA 23rd Edition, 2320. B, (Titrimetric)
233	CHEMICAL- WATER	Ground water and Surface water	Total Dissolved Solids	APHA 23rd Edition, 2540. C, (Gravimetric)
234	CHEMICAL- WATER	Ground water and Surface water	Total Hardness as CaCO3	APHA 23rd Edition, 2340. C, (Complexometric)
235	CHEMICAL- WATER	Ground water and Surface water	Total Phosphate as PO4	APHA 23rd Edition, 4500- P.D, (Spectrophotometric)

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SCOPE OF ACCREDITATION

Laboratory Name :	ENVIRONMENT PROTECTION TRAINING & RESEARCH INSTITUTE (EPTRI), 91/4, GACHIBOWLI, RANGA REDDY, HYDERABAD, TELANGANA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7709	**Page No**	14 of 14
Validity	25/08/2021 to 24/08/2023	**Last Amended on**	11/02/2023

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236	CHEMICAL- WATER	Ground water and Surface water	Turbidity	APHA 23rd Edition, 2130. B, (Nephelometric)