National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : APEX ENVIRO LABORATORY, 3, DHEBAR COLONY, PRATAPNAGAR, UDAIPUR, RAJASTHAN, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7531 **Page No** 1 of 14

Validity 04/07/2021 to 03/07/2023 **Last Amended on** 08/09/2021

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	Ambient Air	Total Plate Count	AEL/SOP/MB-06
2	BIOLOGICAL- WATER	Drinking water	E. Coli	IS 1622
3	BIOLOGICAL- WATER	Drinking water	Faecal Coliform	IS 1622
4	BIOLOGICAL- WATER	Drinking Water	Faecal Streptococci	IS 1622
5	BIOLOGICAL- WATER	Drinking Water	Total Coliform	IS 1622
6	BIOLOGICAL- WATER	Drinking water	Total Plate count	IS 1622
7	BIOLOGICAL- WATER	Ground water/Surface water	E. coli	IS 1622
8	BIOLOGICAL- WATER	Ground water/Surface water	Faecal Coliform	IS 1622
9	BIOLOGICAL- WATER	Ground water/Surface water	Faecal Streptococci	IS 1622
10	BIOLOGICAL- WATER	Ground water/Surface water	Total Coliform	IS 1622
11	BIOLOGICAL- WATER	Ground water/Surface water	Total Plate count	IS 1622
12	BIOLOGICAL- WATER	Swimming pool and cooling tower water	E. Coli	IS 1622
13	BIOLOGICAL- WATER	Swimming pool and cooling tower water	Faecal Coliform	IS 1622
14	BIOLOGICAL- WATER	Swimming pool and cooling tower water	Faecal Streptococci	IS 1622
15	BIOLOGICAL- WATER	Swimming pool and Cooling tower water	Total Coliform	IS 1622
16	BIOLOGICAL- WATER	Swimming pool water and cooling tower	Total Plate count	IS 1622
17	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Ammonia	Procedure no. AEL/QMS/SOP/D3/A-07, Issue 01
18	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Carbon Monoxide	IS 5182 (Part 10)
19	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Chlorine	IS-5182 (Part 19)
20	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Fine Particulate Matter (as PM2.5)	IS 5182 (Part 24)
21	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Fluoride	IS-5182 (Part 13)
22	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Lead as Pb	IS 5182 (Part 22)
23	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Nitrogen Dioxide (as NO2)	IS 5182 (Part 6)

SCOPE OF ACCREDITATION

Laboratory Name : APEX ENVIRO LABORATORY, 3, DHEBAR COLONY, PRATAPNAGAR, UDAIPUR, RAJASTHAN, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7531 **Page No** 2 of 14

Validity 04/07/2021 to 03/07/2023 **Last Amended on** 08/09/2021

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
24	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Ozone as O3	Procedure no. AEL/QMS/SOP/D3/A-08, Issue no.01
25	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Respirable Suspended Particulate Matter (PM10)	IS 5182 (Part 23)
26	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Sulphur dioxide (as SO2)	IS 5182 (Part 2)
27	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Suspended Particulate Matter	IS 5182 (Part 4)
28	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Noise	Ambient Noise	IS 9989
29	CHEMICAL- ATMOSPHERIC POLLUTION	DG sets	Source Noise levels	IS 4758
30	CHEMICAL- ATMOSPHERIC POLLUTION	Meteorological Monitoring	Ambient Temperature	Procedure no. AEL/QMS/SOP/D3/A-23, Issue no.1
31	CHEMICAL- ATMOSPHERIC POLLUTION	Meteorological Monitoring	Rain fall	Procedure no. AEL/QMS/SOP/D3/A-24,Issue no.01
32	CHEMICAL- ATMOSPHERIC POLLUTION	Meteorological Monitoring	Relative Humidity	Procedure no. AEL/QMS/SOP/D3/A-24, Issue no.01
33	CHEMICAL- ATMOSPHERIC POLLUTION	Meteorological Monitoring	Wind direction	Procedure no. AEL/QMS/SOP/D3/A-23, Issue no.1
34	CHEMICAL- ATMOSPHERIC POLLUTION	Meteorological Monitoring	Wind speed	Procedure no. AEL/QMS/SOP/D3/A-24,Issue no.01
35	CHEMICAL- ATMOSPHERIC POLLUTION	Source Noise level	Source Specific Noise	IS 4758
36	CHEMICAL- ATMOSPHERIC POLLUTION	Stack emission	Ammonia	IS 11255 (Part 6)
37	CHEMICAL- ATMOSPHERIC POLLUTION	Stack emission	Carbon Dioxide	IS:13270
38	CHEMICAL- ATMOSPHERIC POLLUTION	Stack emission	Carbon Monoxide	Procedure no. AEL/QMS/SOP/D3/A-06, Orsate Apparatus
39	CHEMICAL- ATMOSPHERIC POLLUTION	Stack emission	Flue gas rate	IS 11255 (Part 3)

SCOPE OF ACCREDITATION

Laboratory Name : APEX ENVIRO LABORATORY, 3, DHEBAR COLONY, PRATAPNAGAR, UDAIPUR, RAJASTHAN, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7531 **Page No** 3 of 14

Validity 04/07/2021 to 03/07/2023 **Last Amended on** 08/09/2021

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
40	CHEMICAL- ATMOSPHERIC POLLUTION	Stack emission	Fluoride (Gaseous)	IS 11255 (Part 5)
41	CHEMICAL- ATMOSPHERIC POLLUTION	Stack emission	Hydrogen sulphide	IS 11255 (Part4)
42	CHEMICAL- ATMOSPHERIC POLLUTION	Stack emission	Oxides of Nitrogen (as NO2)	IS 11255 (Part 7)
43	CHEMICAL- ATMOSPHERIC POLLUTION	Stack emission	Oxygen	IS 13270-1992 Orsate apparatus
44	CHEMICAL- ATMOSPHERIC POLLUTION	Stack emission	Particulate matter	IS 11255 (Part 1)
45	CHEMICAL- ATMOSPHERIC POLLUTION	Stack emission	Sulphur Dioxide	IS 11255 (Part 2)
46	CHEMICAL- ATMOSPHERIC POLLUTION	Stack emission	Temperature	IS 11255 (Part 3)
47	CHEMICAL- ATMOSPHERIC POLLUTION	Stack emission	Velocity	IS 11255 (Part 3)
48	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent/Sewage	Odour	IS 3025 (Part 5)
49	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent/Sewage	Temperature	IS 3025 (Part 9)
50	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent/Sewage	Ammonical Nitrogen	APHA 23rd Ed.4500-C
51	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent/Sewage	Ammonical Nitrogen	IS 3025 (Part 34)
52	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent/Sewage	Biochemical Oxygen Demand (BOD)	IS:3025 (Part-44)
53	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent/Sewage	Calcium	APHA 23rd Ed.3500-B
54	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent/Sewage	Calcium	IS 3025 (Part 40)
55	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent/Sewage	Chemical Oxygen Demand (COD)	APHA 23rd Ed. 5220-B
56	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent/Sewage	Chemical Oxygen Demand (COD)	IS 3025 (Part 58)
57	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent/Sewage	Chloride	APHA 23rd Ed 4500-B
58	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent/Sewage	Chloride as Cl	IS 3025 (Part 32)

SCOPE OF ACCREDITATION

Laboratory Name : APEX ENVIRO LABORATORY, 3, DHEBAR COLONY, PRATAPNAGAR, UDAIPUR, RAJASTHAN, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7531 **Page No** 4 of 14

Validity 04/07/2021 to 03/07/2023 **Last Amended on** 08/09/2021

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
59	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent/Sewage	Chlorine demand	IS:3025 (Part-25)
60	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent/Sewage	Color	APHA 23rd Ed 2120-B
61	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent/Sewage	Color in HU	IS 3025 (Part 4)
62	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent/Sewage	Conductivity	IS 3025 (Part 14)
63	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent/Sewage	Dissolve Oxygen	IS 3025 (Part 38)
64	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent/Sewage	Fixed solids	APHA 23rd Ed 2540-E
65	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent/Sewage	Fixed solids	IS 3025 (Part 18)
66	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent/Sewage	Fluoride as F	IS 3025 (Part 60):
67	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent/Sewage	Magnesium	APHA 23rd Ed 3500-B
68	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent/Sewage	Magnesium	IS 3025 (Part 46)
69	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent/Sewage	Nitrate	IS 3025 (Part 34)
70	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent/Sewage	Odour	APHA 23rd Ed 2150-B
71	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent/Sewage	Oil & Grease	APHA 23rd Ed 5520-D
72	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent/Sewage	Oil & Grease	IS 3025 (Part 39)
73	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent/Sewage	pH	APHA 23rd Ed 4500-B
74	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent/Sewage	pH	IS 3025 (Part 11)
75	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent/Sewage	Phosphate	APHA 23rd Ed 4500-D
76	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent/Sewage	Phosphate	IS 3025 (Part 31)
77	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent/Sewage	Potassium	APHA 23rd Ed 3500-B

SCOPE OF ACCREDITATION

Laboratory Name : APEX ENVIRO LABORATORY, 3, DHEBAR COLONY, PRATAPNAGAR, UDAIPUR, RAJASTHAN, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7531 **Page No** 5 of 14

Validity 04/07/2021 to 03/07/2023 **Last Amended on** 08/09/2021

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
78	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent/Sewage	Potassium	IS 3025(Part 45)
79	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent/Sewage	Settleable solids	APHA 23rd Ed 2540-F
80	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent/Sewage	Settleable solids	IS 3025 (Part 19)
81	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent/Sewage	Sludge volume index (SVI)	APHA 23rd Ed.2710-D
82	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent/Sewage	Sodium	APHA 23rd Ed 3500-B
83	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent/Sewage	Sodium	IS 3025(Part 45)
84	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent/Sewage	Sodium absorption ratio (SAR)	Procedure no. AEL/QMS/SOP/ D3/W&WW-37, Calculation Method As per USDA Hand Book 60
85	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent/Sewage	Sulphate (SO4)	APHA 23rd Ed 4500-C
86	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent/Sewage	Sulphate (SO4)	IS 3025 (Part 24)
87	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent/Sewage	Sulphide	IS 3025 (Part-29)
88	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent/Sewage	Total Alkalinity as CaCO3	APHA 23rd Ed 2320-B
89	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent/Sewage	Total Alkalinity as CaCO3	IS 3025 (Part 23)
90	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent/Sewage	Total and free Carbon dioxide	IS:3025 (Part-61)
91	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent/Sewage	Total Dissolved Solids	APHA 23rd Ed 2540-C
92	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent/Sewage	Total Dissolved Solids	IS 3025 (Part 15)
93	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent/Sewage	Total Hardness as CaCO3	APHA 23rd Ed 2340-C
94	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent/Sewage	Total Hardness as CaCO3	IS 3025 (Part 21)
95	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent/Sewage	Total Kjehldal nitrogen (TKN)	IS 3025 (Part 34)

SCOPE OF ACCREDITATION

Laboratory Name : APEX ENVIRO LABORATORY, 3, DHEBAR COLONY, PRATAPNAGAR, UDAIPUR, RAJASTHAN, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7531 **Page No** 6 of 14

Validity 04/07/2021 to 03/07/2023 **Last Amended on** 08/09/2021

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
96	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent/Sewage	Total Solids	IS 3025 (Part 15)
97	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent/Sewage	Total Suspended Solids	IS 3025 (Part 15)
98	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent/Sewage	Turbidity	IS 3025 (Part 10)
99	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent/Sewage	Volatile and fixed residue	IS:3025 (Part 18)
100	CHEMICAL- POLLUTION & ENVIRONMENT	Effluents/Sewage	Aluminium as Al	IS 3025 (Part 55)
101	CHEMICAL- POLLUTION & ENVIRONMENT	Effluents/Sewage	Boron as B	APHA 23rd 3500-B
102	CHEMICAL- POLLUTION & ENVIRONMENT	Effluents/Sewage	Boron as B	IS 3025 (Part 57)
103	CHEMICAL- POLLUTION & ENVIRONMENT	Effluents/Sewage	Cadmium as Cd	APHA 23rd Ed 3111-B
104	CHEMICAL- POLLUTION & ENVIRONMENT	Effluents/Sewage	Cadmium as Cd	IS 3025 (Part 41)
105	CHEMICAL- POLLUTION & ENVIRONMENT	Effluents/Sewage	Chromium (Cr) hexavalent and Total Chromium	IS 3025 (Part 52)
106	CHEMICAL- POLLUTION & ENVIRONMENT	Effluents/Sewage	Copper as Cu	IS 3025 (Part 42)
107	CHEMICAL- POLLUTION & ENVIRONMENT	Effluents/Sewage	Iron	IS 3025 (Part 53)
108	CHEMICAL- POLLUTION & ENVIRONMENT	Effluents/Sewage	Lead as Pb	APHA 23rd Ed 3111-B
109	CHEMICAL- POLLUTION & ENVIRONMENT	Effluents/Sewage	Lead as Pb	IS 3025 (Part 47)
110	CHEMICAL- POLLUTION & ENVIRONMENT	Effluents/Sewage	Manganese as Mn	APHA 23rd 3111-B
111	CHEMICAL- POLLUTION & ENVIRONMENT	Effluents/Sewage	Manganese as Mn	IS 3025 (Part 59)
112	CHEMICAL- POLLUTION & ENVIRONMENT	Effluents/Sewage	Mercury as Hg	AEL/QMS/SOP/D3/W&WW-35 (Mercury analyzer)
113	CHEMICAL- POLLUTION & ENVIRONMENT	Effluents/Sewage	Mercury as Hg	APHA 23rd Ed 3112-B
114	CHEMICAL- POLLUTION & ENVIRONMENT	Effluents/Sewage	Nickel as Ni	APHA 23rd Ed 3111-B

SCOPE OF ACCREDITATION

Laboratory Name : APEX ENVIRO LABORATORY, 3, DHEBAR COLONY, PRATAPNAGAR, UDAIPUR, RAJASTHAN, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7531 **Page No** 7 of 14

Validity 04/07/2021 to 03/07/2023 **Last Amended on** 08/09/2021

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
115	CHEMICAL- POLLUTION & ENVIRONMENT	Effluents/Sewage	Nickel as Ni	IS 3025 (Part 54)
116	CHEMICAL- POLLUTION & ENVIRONMENT	Effluents/Sewage	Silica	APHA 23rd Ed 4500-C
117	CHEMICAL- POLLUTION & ENVIRONMENT	Effluents/Sewage	Silver	APHA 23rd Ed.3111-B
118	CHEMICAL- POLLUTION & ENVIRONMENT	Effluents/Sewage	Total Kjehldal nitrogen (TKN)	APHA 23rd Ed 4500-B
119	CHEMICAL- POLLUTION & ENVIRONMENT	Effluents/Sewage	Total Solids	APHA 23rd Ed 2540-B
120	CHEMICAL- POLLUTION & ENVIRONMENT	Effluents/Sewage	Total Suspended Solids	APHA 23rd Ed 2540-D
121	CHEMICAL- POLLUTION & ENVIRONMENT	Effluents/Sewage	Turbidity	APHA 23rd Ed 2130-B
122	CHEMICAL- POLLUTION & ENVIRONMENT	Effluents/Sewage	Volatile & fixed residue	IS 3025 (Part 18)
123	CHEMICAL- POLLUTION & ENVIRONMENT	Effluents/Sewage	Zinc as Zn	APHA 23rd Ed.3111-B
124	CHEMICAL- POLLUTION & ENVIRONMENT	Effluents/Sewage	Zinc as Zn	IS 3025 (Part 49)
125	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediment	Cation Exchange Capacity (CEC)	IS: 2720 (Part 24)
126	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/sediment	Phosphate (total)	Procedure no. AEL/QMS/SOP/ D3/S-15 (Handbook of method in environmental studies)
127	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Available Nitrogen	Procedure no. AEL/QMS/SOP/ D3/S-06(Method Manual Soil Testing in India)
128	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Available Phosphorous	Procedure no. AEL/QMS/SOP/ D3/S-07(Method Manual Soil Testing in India)
129	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Available Potassium	Procedure no. AEL/QMS/SOP/ D3/S-08(Method Manual Soil Testing in India)
130	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Available Sodium	Procedure no. AEL/QMS/SOP/ D3/S-09(Method Manual Soil Testing in India)

SCOPE OF ACCREDITATION

Laboratory Name : APEX ENVIRO LABORATORY, 3, DHEBAR COLONY, PRATAPNAGAR, UDAIPUR, RAJASTHAN, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7531 **Page No** 8 of 14

Validity 04/07/2021 to 03/07/2023 **Last Amended on** 08/09/2021

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
131	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Bulk Density	Procedure no. AEL/QMS/SOP/ D3/S-14(Laboratory Testing Procedure for Soil & water sample analysis)
132	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Calcium	Procedure no. AEL/QMS/SOP/ D3/S-16(Soil Testing Method)
133	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Calcium Carbonate	IS-2720 (Part 23)
134	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Chloride	Procedure no. AEL/QMS/SOP/ D3/S-17(Method Manual for soil)
135	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Conductivity	IS:14767
136	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Copper	Procedure no. AEL/QMS/SOP/ D3/S-18(Method Manual for soil)
137	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Exchangeable sodium percentage	Procedure no. AEL/QMS/SOP/ D3/S-19(Laboratory Testing Procedure for Soil & water sample analysis)
138	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Iron	Procedure no. AEL/QMS/SOP/ D3/S-18(Method Manual for soil)
139	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Magnesium	Procedure no. AEL/QMS/SOP/ D3/S-16 (Method Manual for soil)
140	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Manganese	Procedure no. AEL/QMS/SOP/ D3/S-18 (Method Manual for soil)
141	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Moisture Content	IS 2720 (Part-2)
142	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Nitrates	Procedure no. AEL/QMS/SOP/ D3/S-11 (Method Manual for soil)
143	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Organic Matter/Organic Carbon	Procedure no. AEL/QMS/SOP/ D3/S-04 (Method Manual)
144	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	pH	IS:2720 (Part 26)
145	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Phosphate (ortho)	APHA 23rd Ed. 4500-PD

SCOPE OF ACCREDITATION

Laboratory Name : APEX ENVIRO LABORATORY, 3, DHEBAR COLONY, PRATAPNAGAR, UDAIPUR, RAJASTHAN, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7531 **Page No** 9 of 14

Validity 04/07/2021 to 03/07/2023 **Last Amended on** 08/09/2021

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
146	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Texture	AEL/QMS/SOP/ D3/S-13
147	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Total Kjehldal nitrogen (TKN)	IS 14684
148	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Total Potassium	Procedre no. AEL/QMS/SOP/ D3/S-22 (Method Manual for soil)
149	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Total Sodium	AEL/QMS/SOP/D3/S-22 (Method Manual Soil Testing)
150	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Total Soluble salt	IS 2720 (Part 21)
151	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Total Soluble Sulphate	IS-2720 (Part 21)
152	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Water Retention Capacity	Procedure no. AEL/QMS/SOP/ D3/S-12 (Laboratory Testing Procedure for Soil & water sample analysis)
153	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Zinc	Peocedure no. AEL/QMS/SOP/ D3/S-18 (Method Manual for soil)
154	CHEMICAL- RESIDUES IN WATER	Drinking water, Ground water and Surface water	Aluminium as Al	IS 3025 (Part 55)
155	CHEMICAL- RESIDUES IN WATER	Drinking water, Ground water and Surface water	Lead as Pb	IS 3025 (Part 47)
156	CHEMICAL- RESIDUES IN WATER	Drinking water, Surface water and Ground water	Boron	IS 3025 (Part 57)
157	CHEMICAL- RESIDUES IN WATER	Drinking water, Surface water and Ground water	Cadmium as Cd	IS 3025 (Part 41)
158	CHEMICAL- RESIDUES IN WATER	Drinking water, Surface water and Ground water	Chromium as Cr	IS 3025(Part 52)
159	CHEMICAL- RESIDUES IN WATER	Drinking water, Surface water and Ground water	Copper as Cu	IS 3025 (Part 42)
160	CHEMICAL- RESIDUES IN WATER	Drinking water, Surface water and Ground water	Iron as Fe	IS 3025 (Part 53)
161	CHEMICAL- RESIDUES IN WATER	Drinking water, Surface water and Ground water	Manganese	IS 3025 (Part 59)
162	CHEMICAL- RESIDUES IN WATER	Drinking water, Surface water and Ground water	Mercury as Hg	AEL/QMS/SOP/D3/W&WW-35 (Mercury analyzer)

SCOPE OF ACCREDITATION

Laboratory Name : APEX ENVIRO LABORATORY, 3, DHEBAR COLONY, PRATAPNAGAR, UDAIPUR, RAJASTHAN, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7531 **Page No** 10 of 14

Validity 04/07/2021 to 03/07/2023 **Last Amended on** 08/09/2021

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
163	CHEMICAL- RESIDUES IN WATER	Drinking water, Surface water and Ground water	Nickel	IS 3025 (Part 54)
164	CHEMICAL- RESIDUES IN WATER	Drinking water, Surface water and Ground water	Silver	APHA 23rd Ed 3111-B
165	CHEMICAL- RESIDUES IN WATER	Drinking water, Surface water and Ground water	Zinc as Zn	IS 3025 (Part 49)
166	CHEMICAL- RESIDUES IN WATER	Water	Organo-chlorine (Aldrin)	APHA 23rd Ed.6630-B,C
167	CHEMICAL- RESIDUES IN WATER	Water	Organo-chlorine (BHC)-Alpha HCH	APHA 23rd Ed. 6630-B,C
168	CHEMICAL- RESIDUES IN WATER	Water	Organo-chlorine (BHC)-Beta HCH	APHA 23rd Ed. 6630-B,C
169	CHEMICAL- RESIDUES IN WATER	Water	Organo-chlorine (BHC)-Delta HCH	APHA 23rd Ed.6630-B,C
170	CHEMICAL- RESIDUES IN WATER	Water	Organo-chlorine (BHC)-Gamma HCH	APHA 23rd Ed. 6630-B,C
171	CHEMICAL- RESIDUES IN WATER	Water	Organo-chlorine (DDT)	APHA 23rd Ed. 6630-B,C
172	CHEMICAL- RESIDUES IN WATER	Water	Organo-chlorine (Endosulphan)	APHA 23rd Ed. 6630-B,C
173	CHEMICAL- WATER	Boiler Water	Ammonical Nitrogen	APHA 23rd Ed 4500-C
174	CHEMICAL- WATER	Boiler Water	Ammonical Nitrogen	IS 3025 (Part 34)
175	CHEMICAL- WATER	Boiler Water	Biochemical Oxygen Demand (BOD) 3 days at 27ºC	IS: 3025 (Part-44)
176	CHEMICAL- WATER	Boiler Water	Calcium as Ca++	APHA 23rd Ed 3500-B
177	CHEMICAL- WATER	Boiler Water	Calcium as Ca++	IS 3025 (Part 40)
178	CHEMICAL- WATER	Boiler Water	Carbon dioxide	IS 3025 (Part 61)
179	CHEMICAL- WATER	Boiler Water	Chemical Oxygen Demand (COD)	APHA 23rd Ed 5220-B
180	CHEMICAL- WATER	Boiler Water	Chemical Oxygen Demand (COD)	IS 3025 (Part 58)
181	CHEMICAL- WATER	Boiler Water	Chlorides as Cl	APHA 23rd Ed 4500-B
182	CHEMICAL- WATER	Boiler Water	Chlorides as Cl-	IS 3025 (Part 32)
183	CHEMICAL- WATER	Boiler Water	Chlorine (Free Residual)	APHA 23rd Ed 4500-G
184	CHEMICAL- WATER	Boiler Water	Chlorine (Free Residual)	IS 3025 (Part 26)
185	CHEMICAL- WATER	Boiler Water	Chlorine demand	IS 3025 (Part 25)

SCOPE OF ACCREDITATION

Laboratory Name : APEX ENVIRO LABORATORY, 3, DHEBAR COLONY, PRATAPNAGAR, UDAIPUR, RAJASTHAN, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7531 **Page No** 11 of 14

Validity 04/07/2021 to 03/07/2023 **Last Amended on** 08/09/2021

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
186	CHEMICAL- WATER	Boiler Water	Chromium as Cr+6 and total Chromium	APHA 23rd Ed 3111-B
187	CHEMICAL- WATER	Boiler Water	Chromium as Cr+6 and total Chromium	IS 3025 (Part 52)
188	CHEMICAL- WATER	Boiler Water	Color	APHA 23rd Ed 2120-B
189	CHEMICAL- WATER	Boiler Water	Color	IS 3025 (Part- 4)
190	CHEMICAL- WATER	Boiler Water	Conductivity	APHA 23rd Ed 2510-B
191	CHEMICAL- WATER	Boiler Water	Conductivity	IS 3025 (Part 14)
192	CHEMICAL- WATER	Boiler Water	Fluoride as F	APHA 23rd Ed 4500-D
193	CHEMICAL- WATER	Boiler Water	Fluoride as F	IS 3025 (Part 60)
194	CHEMICAL- WATER	Boiler Water	Magnesium as Mg++	APHA 23rd Ed 3500-B
195	CHEMICAL- WATER	Boiler Water	Magnesium as Mg++	IS 3025 (Part 46)
196	CHEMICAL- WATER	Boiler Water	Nitrate as NO3-	IS 3025 (Part 34)
197	CHEMICAL- WATER	Boiler Water	Nitrite nitrogen	IS 3025 (Part 34)
198	CHEMICAL- WATER	Boiler Water	pH	APHA 23rd Ed 4500-B
199	CHEMICAL- WATER	Boiler Water	pH	IS 3025 (Part-11)
200	CHEMICAL- WATER	Boiler Water	Phosphate	APHA 23rd Ed 4500-D
201	CHEMICAL- WATER	Boiler Water	Potassium as K+	IS 3025 (Part 45)
202	CHEMICAL- WATER	Boiler Water	Settleable solids	APHA 23rd Ed 2540-F
203	CHEMICAL- WATER	Boiler Water	Settleable solids	IS 3025 (Part 19)
204	CHEMICAL- WATER	Boiler Water	Silica	APHA 23rd 4500-C
205	CHEMICAL- WATER	Boiler Water	Silver	APHA 23rd Ed 3111-B
206	CHEMICAL- WATER	Boiler Water	Sodium as Na+	IS 3025 (Part 45)
207	CHEMICAL- WATER	Boiler Water	Sulphate as SO4-	IS 3025 (Part 24)
208	CHEMICAL- WATER	Boiler Water	Sulphide	IS 3025 (Part 29)
209	CHEMICAL- WATER	Boiler Water	Temperature	IS 3025 (Part 9)
210	CHEMICAL- WATER	Boiler Water	Total & free Carbon dioxide	IS:3025 (Part 61)
211	CHEMICAL- WATER	Boiler Water	Total Alkalinity as CaCO3	IS 3025 (Part 23)
212	CHEMICAL- WATER	Boiler Water	Total Dissolved Solids	IS 3025 (Part 16)
213	CHEMICAL- WATER	Boiler Water	Total Hardness as CaCO3	IS 3025 (Part 21)
214	CHEMICAL- WATER	Boiler Water	Total Solids	IS 3025 (Part 15)

SCOPE OF ACCREDITATION

Laboratory Name : APEX ENVIRO LABORATORY, 3, DHEBAR COLONY, PRATAPNAGAR, UDAIPUR, RAJASTHAN, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7531 **Page No** 12 of 14

Validity 04/07/2021 to 03/07/2023 **Last Amended on** 08/09/2021

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
215	CHEMICAL- WATER	Boiler Water	Turbidity	IS 3025 (Part 10)
216	CHEMICAL- WATER	Boiler Water	Volatile solids	IS 3025 (Part 18)
217	CHEMICAL- WATER	Drinking water, Ground water and Surface water	Calcium as Ca++	APHA 23rd Ed 3500-B
218	CHEMICAL- WATER	Drinking water, Ground water and Surface water	Chlorides as Cl-	IS 3025 (Part 32)
219	CHEMICAL- WATER	Drinking Water, Ground water and Surface water	Phenol	APHA 23rd Ed 553-C,D
220	CHEMICAL- WATER	Drinking Water, Ground water and surface water	Phenol	IS 3025 (Part 43)
221	CHEMICAL- WATER	Drinking Water, Ground water and Surface water	Phenolic Compound as C6H5OH	IS 3025 (Part 43)
222	CHEMICAL- WATER	Drinking water, Ground water and Surface water	Temperature	APHA 23rd Ed 2550-B
223	CHEMICAL- WATER	Drinking water, Surface water and Ground water	Ammonical Nitrogen	IS 3025 (Part 34)
224	CHEMICAL- WATER	Drinking water, Surface water and Ground water	Biochemical Oxygen Demand (BOD) 3-days at 27 ºC	IS: 3025 (Part 44)
225	CHEMICAL- WATER	Drinking water, Surface water and Ground water	Calcium as Ca++	IS 3025 (Part 40)
226	CHEMICAL- WATER	Drinking water, Surface water and Ground water	Carbon dioxide	IS 3025 (Part 61)
227	CHEMICAL- WATER	Drinking water, Surface water and Ground water	Chemical oxygen demand (COD)	IS 3025 (Part 58)
228	CHEMICAL- WATER	Drinking water, Surface water and Ground water	Chlorine (Free Residual)	IS 3025 (Part 26)
229	CHEMICAL- WATER	Drinking water, Surface water and Ground water	Chlorine(Free Residual)	APHA 23rd Ed 4500-G
230	CHEMICAL- WATER	Drinking water, Surface water and Ground water	Color	IS 3025 (Part-4)
231	CHEMICAL- WATER	Drinking water, Surface water and Ground water	Conductivity	IS 3025 (Part 14)
232	CHEMICAL- WATER	Drinking water, Surface water and Ground water	Dissolve Oxygen	IS 3025 (Part 38):
233	CHEMICAL- WATER	Drinking water, Surface water and Ground water	Fixed solids	IS 3025 (Part 18)
234	CHEMICAL- WATER	Drinking water, Surface water and Ground water	Fluoride as F-	IS 3025 (Part 60)
235	CHEMICAL- WATER	Drinking water, Surface water and Ground water	Magnesium as Mg++	IS 3025 (Part 46)
236	CHEMICAL- WATER	Drinking water, Surface water and Ground water	Nitrite nitrogen	IS 3025 (Part 34)
237	CHEMICAL- WATER	Drinking water, Surface water and Ground water	Odour	IS:3025 (Part-5)
238	CHEMICAL- WATER	Drinking water, Surface water and Ground water	Oil & Grease	APHA 23rd 5520-D
239	CHEMICAL- WATER	Drinking water, Surface water and Ground water	Oil & Grease	IS 3025 (Part 39)
240	CHEMICAL- WATER	Drinking water, Surface water and Ground water	pH	IS 3025 (Part 11)
241	CHEMICAL- WATER	Drinking water, Surface water and Ground water	Phosphate	APHA 23rd Ed 4500-D
242	CHEMICAL- WATER	Drinking water, Surface water and Ground water	Potassium as K+	IS 3025 (Part 45)
243	CHEMICAL- WATER	Drinking water, Surface water and Ground water	Settleable solids	IS 3025 (Part 19)

SCOPE OF ACCREDITATION

Laboratory Name :	APEX ENVIRO LABORATORY, 3, DHEBAR COLONY, PRATAPNAGAR, UDAIPUR, RAJASTHAN, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7531	**Page No**	13 of 14
Validity	04/07/2021 to 03/07/2023	**Last Amended on**	08/09/2021

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
244	CHEMICAL- WATER	Drinking water, Surface water and Ground water	Silica	APHA 23rd 4500-C
245	CHEMICAL- WATER	Drinking water, Surface water and Ground water	Sludge volume index (SVI)	Standard Method for Examination of water & waste water 22nd edition, APHA, 2710D, Sludge Volume Index
246	CHEMICAL- WATER	Drinking water, Surface water and Ground water	Sodium absorption ratio (SAR)	Calculation Method As per USDA Hand Book 60, Page 72
247	CHEMICAL- WATER	Drinking water, Surface water and Ground water	Sodium as Na+	IS 3025 (Part 45)
248	CHEMICAL- WATER	Drinking water, Surface water and Ground water	Sulphate as SO4-	IS 3025 (Part 24)
249	CHEMICAL- WATER	Drinking water, Surface water and Ground water	Sulphide	APHA 23rd Ed 4500-F
250	CHEMICAL- WATER	Drinking water, Surface water and Ground water	Sulphide	IS 3025 (Part 29)
251	CHEMICAL- WATER	Drinking water, Surface water and Ground water	Taste	IS 3025 (Part 7 & 8)
252	CHEMICAL- WATER	Drinking water, Surface water and Ground water	Total Alkalinity as CaCO3	IS 3025 (Part 23)
253	CHEMICAL- WATER	Drinking water, Surface water and Ground water	Total Dissolved Solids	IS 3025 (Part 16)
254	CHEMICAL- WATER	Drinking water, Surface water and Ground water	Total Hardness as CaCO3	IS 3025 (Part 21)
255	CHEMICAL- WATER	Drinking water, Surface water and Ground water	Total Kjehldal nitrogen (TKN)	APHA 23rd Ed 4500-B
256	CHEMICAL- WATER	Drinking water, Surface water and Ground water	Total Kjehldal nitrogen (TKN)	IS 3025 (Part 34)
257	CHEMICAL- WATER	Drinking Water, Surface water and Ground water	Total Solids	APHA 23rd Ed.2540-B
258	CHEMICAL- WATER	Drinking Water, Surface water and Ground water	Total Solids	IS 3025 (Part 15)
259	CHEMICAL- WATER	Drinking water, Surface water and Ground water	Total Suspended Solids	IS 3025 (Part 15)
260	CHEMICAL- WATER	Drinking water, Surface water and Ground water	Turbidity	IS 3025 (Part 10)
261	CHEMICAL- WATER	Drinking water, Surface water and Ground water	Volatile solids	APHA 23rd Ed 2540-E
262	CHEMICAL- WATER	Drinking water, Surface water and Ground water	Volatile solids	IS 3025 (Part 18)
263	CHEMICAL- WATER	Drinking water, Surface water and Ground water,	Chlorine demand	IS 3025 (Part-25)
264	CHEMICAL- WATER	Drinking water, Surface water and Ground water,	Nitrate as NO3-	IS 3025 (Part 34)
265	CHEMICAL- WATER	Drinking water, Surface water, Ground water	Temperature	IS 3025 (Part 9)
266	CHEMICAL- WATER	Water for construction purpose	Chloride as Cl	APHA 23rd Ed 4500-B
267	CHEMICAL- WATER	Water for construction purpose	Chloride as Cl	IS 3025 (Part 32)
268	CHEMICAL- WATER	Water for construction purpose	Inorganic Solids	IS 3025 (Part 18)
269	CHEMICAL- WATER	Water for construction purpose	Organic Solids	IS 3025 (Part 18):1984
270	CHEMICAL- WATER	Water for construction purpose	pH	APHA 23rd Ed 4500-B
271	CHEMICAL- WATER	Water for construction purpose	pH @ 25°C	IS 3025 (Part 11)

SCOPE OF ACCREDITATION

Laboratory Name : APEX ENVIRO LABORATORY, 3, DHEBAR COLONY, PRATAPNAGAR, UDAIPUR, RAJASTHAN, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7531 **Page No** 14 of 14

Validity 04/07/2021 to 03/07/2023 **Last Amended on** 08/09/2021

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
272	CHEMICAL- WATER	Water for construction purpose	Sulphate as SO3	IS 3025 (Part 24)
273	CHEMICAL- WATER	Water for construction purpose	Suspended Matter	APHA 23rd Ed 2540-D
274	CHEMICAL- WATER	Water for construction purpose	Suspended Matter	IS 3025 (Part 17)
275	CHEMICAL- WATER	Water for construction purpose	To neutralize 100 ml sample of water, using mixed indicator using 0.02N H2SO4	IS 3025 (Part 23)
276	CHEMICAL- WATER	Water for construction purpose	Water Neutralization To neutralize 100 ml sample of water, using phenolphthalcin as an indicator, using 0.02N NaOH	IS 3025 (Part 22)
277	CHEMICAL- WATER	Water for Swimming Pool	Calcium as Ca++	IS 3025 (Part 40)
278	CHEMICAL- WATER	Water for Swimming Pool	Chlorine demand	IS:3025 (Part- 25)
279	CHEMICAL- WATER	Water for Swimming Pool	Chlorine(Free Residual)	APHA 23rd Ed 4500-G
280	CHEMICAL- WATER	Water for Swimming Pool	Chlorine(Free Residual)	IS 3025(Part 26)
281	CHEMICAL- WATER	Water for Swimming Pool	Conductivity	APHA 23rd Ed 2510-B
282	CHEMICAL- WATER	Water for Swimming Pool	Conductivity	IS 3025 (Part 14)
283	CHEMICAL- WATER	Water for Swimming Pool	Magnesium as Mg++	APHA 23rd Ed 3500-B
284	CHEMICAL- WATER	Water for Swimming Pool	Magnesium as Mg++	IS 3025 (Part 46)
285	CHEMICAL- WATER	Water for Swimming Pool	pH	APHA 23rd Ed 4500-B
286	CHEMICAL- WATER	Water for Swimming Pool	pH	IS 3025 (Part 11)
287	CHEMICAL- WATER	Water for Swimming Pool	Total Alkalinity as CaCO3	APHA 23rd Ed 2320-B
288	CHEMICAL- WATER	Water for Swimming Pool	Total Alkalinity as CaCO3	IS 3025 (Part 23)
289	CHEMICAL- WATER	Water for Swimming Pool	Total Dissolved Solids	APHA 23rd Ed 2540-C
290	CHEMICAL- WATER	Water for Swimming Pool	Total Dissolved Solids	IS 3025 (Part 16)
291	CHEMICAL- WATER	Water for Swimming Pool	Total Hardness as CaCO3	APHA 23rd Ed 2340-C
292	CHEMICAL- WATER	Water for Swimming Pool	Total Hardness as CaCO3	IS 3025 (Part 21)