National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : ABM ENVIRONMENTAL AND ANALYTICAL LABORATORY (A UNIT OF AADHI BOOMI MINING AND ENVIRO TECH PRIVATE LIMITED), 4/77L, INDRANI NAGAR, SANTHAI MAIN ROAD, NARASOTHIPATTI, SALEM, SALEM, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-9497 **Page No** 1 of 10

Validity 04/05/2021 to 03/05/2023 **Last Amended on** 08/04/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
Permanent Facility				
1	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Bread	Aerobic microbial count @ 30°C/ 72 Hrs	IS 5402
2	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Bread	E.coli	IS 5887 (Part I)
3	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Bread	Total Coliform	IS 5401 (Part 2)
4	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Bread	Yeast & Molds @ 25°C for 5 days	IS 5403
5	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Juice	Aerobic microbial count @ 30°C/ 72 Hrs	IS 5402
6	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Juice	E.Coli	IS 5887 (Part 1)
7	BIOLOGICAL- FOOD AND AGRICULTURAL PRODUCTS	Juice	Total Coliform	IS 5401 (Part 2)
8	BIOLOGICAL- WATER	Drinking water	E-Coli	IS 15185
9	BIOLOGICAL- WATER	Drinking Water	Total Coliforms	IS 15185
10	BIOLOGICAL- WATER	Ground Water/ Surface Water	E- Coli	IS 1622
11	BIOLOGICAL- WATER	Ground Water/Surface Water	Total Coliform	IS 1622
12	BIOLOGICAL- WATER	Packaged Drinking Water	Aerobic microbial count	IS 5402
13	BIOLOGICAL- WATER	Packaged Drinking Water	E.coli	IS 15185
14	BIOLOGICAL- WATER	Packaged Drinking Water	Total Coliform	IS 15185
15	BIOLOGICAL- WATER	Water for industrial purpose	E - Coli	IS1622
16	BIOLOGICAL- WATER	Water for industrial purpose	Total Coliform	IS 1622
17	BIOLOGICAL- WATER	Water for Processed Food Industry	Total Coliform	IS 1622
18	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Suspended Particulate Matter (as SPM)	IS 5182 (Part 4)
19	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Ammonia (as NH3)	IS 5182 (Part 25)

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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-9497 **Page No** 2 of 10

Validity 04/05/2021 to 03/05/2023 **Last Amended on** 08/04/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
20	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Lead as Pb	IS: 5182 (Part-22)
21	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Nickel as Ni	IS 5182 (Part 26)
22	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Oxides of Nitrogen (as Nox)	IS 5182 (Part 6)
23	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Ozone (as O3)	IS 5182 (Part 9)
24	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Particulate Matter (less than 2.5-micron PM 2.5)	IS 5182 (Part 24)
25	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Respirable Particulate Matter (less than 10-micron size particles as PM10)	IS 5182 (Part 23)
26	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Sulphur dioxide (as SO2)	IS 5182 (Part 2)
27	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Noise	Leq (Day & Night)	IS 9989
28	CHEMICAL- ATMOSPHERIC POLLUTION	Work Environment and Indoor Air Quality	Particulate Matter (Total Aerosol mass)	NIOSH Manual of Analytical method -0500
29	CHEMICAL- ATMOSPHERIC POLLUTION	Work Environment and Indoor Air Quality	Relative Humidity	IS 196
30	CHEMICAL- ATMOSPHERIC POLLUTION	Work Environment and Indoor Air Quality	Respirable Particulate Matter (Respirable Aerosol mass)	NIOSH Manual of Analytical methods 4th Edition - Method No: 0600 :
31	CHEMICAL- ATMOSPHERIC POLLUTION	Work Environment and Indoor Air Quality	Temperature	IS 196
32	CHEMICAL- ORES & MINERALS	Bauxite	Calcium Oxide as CaO	IS: 2000 (Part 9)
33	CHEMICAL- ORES & MINERALS	Bauxite	Loss on Ignition as LOI	IS 2000 Part-1
34	CHEMICAL- ORES & MINERALS	Bauxite	MgO	IS 2000 (Part 9)
35	CHEMICAL- ORES & MINERALS	Bauxite	Silica	IS 2000 (Part 2)
36	CHEMICAL- ORES & MINERALS	Chromite	Iron	IS 12667 (Part 2)
37	CHEMICAL- ORES & MINERALS	Chromite	Silica as SiO2	IS 12667 Part -1

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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-9497 **Page No** 3 of 10

Validity 04/05/2021 to 03/05/2023 **Last Amended on** 08/04/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
38	CHEMICAL- ORES & MINERALS	Dolomite	Alumina as Al2O3	IS 1760 (Part 3)
39	CHEMICAL- ORES & MINERALS	Dolomite	Calcium as CaO	IS 1760 (Part 3)
40	CHEMICAL- ORES & MINERALS	Dolomite	Iron as Fe2O3	IS 1760 (Part 3)
41	CHEMICAL- ORES & MINERALS	Dolomite	Loss on Ignition as LOI	IS 1760 (Part 1)
42	CHEMICAL- ORES & MINERALS	Dolomite	Magnesium as MgO	IS 1760 (Part 3)
43	CHEMICAL- ORES & MINERALS	Dolomite	Silica as SiO2	IS 1760 (Part 2)
44	CHEMICAL- ORES & MINERALS	Feldspar	Alumina as Al2O3	IS 9749
45	CHEMICAL- ORES & MINERALS	Feldspar	Iron as Fe2O3	IS 9749
46	CHEMICAL- ORES & MINERALS	Feldspar	Loss on Ignition as LOI	IS 9749
47	CHEMICAL- ORES & MINERALS	Iron ores	Iron	IS 1493 Part-1
48	CHEMICAL- ORES & MINERALS	Iron Ores	Silica as SiO2	IS 1493 Part -1760 Part I
49	CHEMICAL- ORES & MINERALS	Limestone	Alumina as Al2O3	IS 1760 (Part 3)
50	CHEMICAL- ORES & MINERALS	Limestone	Calcium as CaO	IS 1760 (Part 3)
51	CHEMICAL- ORES & MINERALS	Limestone	Ferric oxide	IS 1760 (Part 3)
52	CHEMICAL- ORES & MINERALS	Limestone	Loss on Ignition as LOI	IS 1760 (Part 1)
53	CHEMICAL- ORES & MINERALS	Limestone	Magnesium as MgO	IS 1760 (Part 3)
54	CHEMICAL- ORES & MINERALS	Limestone	Silica as SiO2	IS 1760 (Part 2)
55	CHEMICAL- ORES & MINERALS	Magnesite	Alumina as Al2O3	IS 1760 (Part 3)
56	CHEMICAL- ORES & MINERALS	Magnesite	Calcium as CaO	IS 1760 (Part 3)

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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-9497 **Page No** 4 of 10

Validity 04/05/2021 to 03/05/2023 **Last Amended on** 08/04/2022

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57	CHEMICAL- ORES & MINERALS	Magnesite	Iron as Fe2O3	IS 1760 (Part 3)
58	CHEMICAL- ORES & MINERALS	Magnesite	Loss on Ignition as LOI	IS 1760 (Part 1)
59	CHEMICAL- ORES & MINERALS	Magnesite	Magnesium as MgO	IS 1760 (Part 3)
60	CHEMICAL- ORES & MINERALS	Magnesite	Silica as SiO2	IS 1760 (Part 2)
61	CHEMICAL- ORES & MINERALS	Manganese Ores	Alumina	IS 1473
62	CHEMICAL- ORES & MINERALS	Manganese Ores	Iron	IS 1473
63	CHEMICAL- ORES & MINERALS	Manganese Ores	Silica as SiO2	IS 1473
64	CHEMICAL- ORES & MINERALS	Quartz	Loss on Ignition as LOI	IS 1917 Part - 1
65	CHEMICAL- SOIL AND ROCK	Soils	Bulk Density	ABMEAL/CH/SO/SOP/18 - 2020
66	CHEMICAL- SOIL AND ROCK	Soils	Calcium	ABMEAL/CH/SO/SOP/12 - 2020
67	CHEMICAL- SOIL AND ROCK	Soils	Calcium Carbonate	IS 2720 (Part 23)
68	CHEMICAL- SOIL AND ROCK	Soils	Cation Exchange Capacity	IS 2720 (Part 24)
69	CHEMICAL- SOIL AND ROCK	Soils	Chloride	ABMEAL/CH/SO/SOP/14 - 2020
70	CHEMICAL- SOIL AND ROCK	Soils	Electrical Conductivity	IS14767
71	CHEMICAL- SOIL AND ROCK	Soils	Magnesium	ABMEAL/CH/SO/SOP/13 - 2020
72	CHEMICAL- SOIL AND ROCK	Soils	Moisture	IS 2720 (Part 2)
73	CHEMICAL- SOIL AND ROCK	Soils	Organic Matter	IS 2720 (Part 22)
74	CHEMICAL- SOIL AND ROCK	Soils	pH	IS 2720 (Part 26)
75	CHEMICAL- SOIL AND ROCK	Soils	Phosphorus	IS 6092 (Part 3)

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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-9497 **Page No** 5 of 10

Validity 04/05/2021 to 03/05/2023 **Last Amended on** 08/04/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
76	CHEMICAL- SOIL AND ROCK	Soils	Potassium	ABMEAL/CH/SO/SOP/06 - 2020
77	CHEMICAL- SOIL AND ROCK	Soils	Sodium	ABMEAL/CH/SO/SOP/08 -2020
78	CHEMICAL- SOIL AND ROCK	Soils	Sulphate	IS 2720 (Part 27)
79	CHEMICAL- SOIL AND ROCK	Soils	Sulphur as S	IS 14685
80	CHEMICAL- SOIL AND ROCK	Soils	Texture	IS 10317
81	CHEMICAL- SOIL AND ROCK	Soils	TKN	IS 14684
82	CHEMICAL- SOIL AND ROCK	Soils	Total Soluble solids	IS 2720 (Part 21)
83	CHEMICAL- SOIL AND ROCK	Soils	Water Holding capacity	IS 14765
84	CHEMICAL- WATER	Borewell and Well Water	Acidity as CaCO3	IS 3025 (Part 22)
85	CHEMICAL- WATER	Borewell and Well Water	Bicarbonate	IS 3025 (Part 51)
86	CHEMICAL- WATER	Borewell and Well Water	Boron as B	IS 3025 (Part 57)
87	CHEMICAL- WATER	Borewell and Well Water	Calcium as Ca	IS 3025 (Part 40)
88	CHEMICAL- WATER	Borewell and Well Water	Carbonate	IS 3025 (Part 51)
89	CHEMICAL- WATER	Borewell and Well Water	Chloride as Cl-	IS 3025 (Part 32)
90	CHEMICAL- WATER	Borewell and Well Water	Color	IS 3025 (Part 4)
91	CHEMICAL- WATER	Borewell and Well Water	Electrical Conductivity (EC)	IS 3025 (Part 14)
92	CHEMICAL- WATER	Borewell and Well Water	Fixed Solids	IS 3025 (Part 18)
93	CHEMICAL- WATER	Borewell and Well Water	Fluoride as F	IS 3025 (Part 60)
94	CHEMICAL- WATER	Borewell and Well Water	Free Residual Chlorine as Cl2	IS 3025 (Part 26)
95	CHEMICAL- WATER	Borewell and Well Water	Iron as Fe	IS 3025 (Part 53)
96	CHEMICAL- WATER	Borewell and Well Water	Magnesium as Mg	IS 3025 (Part 46)
97	CHEMICAL- WATER	Borewell and Well Water	Nitrate as NO3	IS 3025 (Part 34)
98	CHEMICAL- WATER	Borewell and Well Water	Nitrite as NO2	IS 3025 (Part 34)
99	CHEMICAL- WATER	Borewell and Well Water	Odor	IS 3025 (Part 5)
100	CHEMICAL- WATER	Borewell and Well Water	pH	IS 3025 (Part 11)
101	CHEMICAL- WATER	Borewell and Well Water	Potassium as K	IS 3025 (Part 45)

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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-9497 **Page No** 6 of 10

Validity 04/05/2021 to 03/05/2023 **Last Amended on** 08/04/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
102	CHEMICAL- WATER	Borewell and Well Water	Silica as SiO2	IS 3025 (Part 35)
103	CHEMICAL- WATER	Borewell and Well Water	Sodium as Na	IS 3025 (Part 45)
104	CHEMICAL- WATER	Borewell and Well Water	Sulphate as SO4-	IS 3025 (Part 24)
105	CHEMICAL- WATER	Borewell and Well Water	Temperature	IS 3025 (Part 9)
106	CHEMICAL- WATER	Borewell and Well Water	Total Alkalinity as CaCO3	IS 3025 (Part 23)
107	CHEMICAL- WATER	Borewell and Well Water	Total Dissolved Solids (TDS)	IS 3025 (Part 16)
108	CHEMICAL- WATER	Borewell and Well Water	Total Hardness as CaCO3	IS 3025 (Part 21)
109	CHEMICAL- WATER	Borewell and Well Water	Total Solids	IS 3025 (Part 15)
110	CHEMICAL- WATER	Borewell and Well Water	Total Suspended Solids (TSS)	IS 3025 (Part 17)
111	CHEMICAL- WATER	Borewell and Well Water	Turbidity	IS 3025 (Part 10)
112	CHEMICAL- WATER	Drinking Water	Acidity as CaCO3	IS 3025 (Part 22)
113	CHEMICAL- WATER	Drinking Water	Bicarbonates	IS 3025 (Part 51)
114	CHEMICAL- WATER	Drinking Water	Boron as B	IS 3025 (Part 57)
115	CHEMICAL- WATER	Drinking Water	Calcium as Ca	IS 3025 (Part 40)
116	CHEMICAL- WATER	Drinking Water	Chloride as Cl-	IS 3025 (Part 32)
117	CHEMICAL- WATER	Drinking Water	Color	IS 3025 (Part 4)
118	CHEMICAL- WATER	Drinking Water	Electrical Conductivity (EC)	IS 3025 (Part 14)
119	CHEMICAL- WATER	Drinking Water	Fluoride as F	IS 3025 (Part 60)
120	CHEMICAL- WATER	Drinking Water	Free Carbon dioxide as CO2	IS 3025 (Part 61)
121	CHEMICAL- WATER	Drinking Water	Free Residual Chlorine as Cl2	IS 3025 (Part 26)
122	CHEMICAL- WATER	Drinking Water	Hexavalent Chromium as Cr+6	IS 3025 (Part 52)
123	CHEMICAL- WATER	Drinking Water	Iron as Fe	IS 3025 (Part 53)
124	CHEMICAL- WATER	Drinking Water	Magnesium as Mg	IS 3025 (Part 46)
125	CHEMICAL- WATER	Drinking Water	Manganese as Mn	IS 3025 (Part 59)
126	CHEMICAL- WATER	Drinking Water	Nitrate as NO3	IS 3025 (Part 34)
127	CHEMICAL- WATER	Drinking Water	Nitrite as NO2	IS 3025 (Part 34)
128	CHEMICAL- WATER	Drinking Water	Odor	IS 3025 (Part 5)
129	CHEMICAL- WATER	Drinking Water	pH	IS 3025 (Part 11)
130	CHEMICAL- WATER	Drinking Water	Phenolic compounds	IS 3025 (Part 43)
131	CHEMICAL- WATER	Drinking Water	Potassium as K	IS 3025 (Part 45)

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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-9497 **Page No** 7 of 10

Validity 04/05/2021 to 03/05/2023 **Last Amended on** 08/04/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
132	CHEMICAL- WATER	Drinking Water	Silica as SiO2	IS 3025 (Part 35)
133	CHEMICAL- WATER	Drinking Water	Sodium as Na	IS 3025 (Part 45)
134	CHEMICAL- WATER	Drinking Water	Sulphate as SO4-	IS 3025 (Part 24)
135	CHEMICAL- WATER	Drinking Water	Taste	IS 3025 (Part 7)
136	CHEMICAL- WATER	Drinking Water	Temperature	IS 3025 (Part 9)
137	CHEMICAL- WATER	Drinking Water	Total Alkalinity as CaCO3	IS 3025 (Part 23)
138	CHEMICAL- WATER	Drinking Water	Total Dissolved Solids (TDS)	IS 3025 (Part 16)
139	CHEMICAL- WATER	Drinking Water	Total Hardness as CaCO3	IS 3025 (Part 21)
140	CHEMICAL- WATER	Drinking Water	Total Suspended Solids (TSS)	IS 3025 (Part 17)
141	CHEMICAL- WATER	Drinking Water	Turbidity	IS 3025 (Part 10)
142	CHEMICAL- WATER	Industrial Water	Acidity as CaCO3	IS 3025 (Part 22)
143	CHEMICAL- WATER	Industrial Water	Ammonical Nitrogen as NH3-N	IS 3025 (Part 34)
144	CHEMICAL- WATER	Industrial Water	Boron as B	IS 3025 (Part 57)
145	CHEMICAL- WATER	Industrial Water	Calcium as Ca	IS 3025 (Part 40)
146	CHEMICAL- WATER	Industrial Water	Chloride as Cl-	IS 3025 (Part 32)
147	CHEMICAL- WATER	Industrial Water	Color	IS 3025 (Part 4)
148	CHEMICAL- WATER	Industrial Water	Dissolved Oxygen (DO)	IS 3025 (Part 38)
149	CHEMICAL- WATER	Industrial Water	Dissolved Phosphate as PO4	IS 3025 (Part 31)
150	CHEMICAL- WATER	Industrial Water	Electrical Conductivity (EC)	IS 3025 (Part 14)
151	CHEMICAL- WATER	Industrial Water	Iron as Fe	IS 3025 (Part 53)
152	CHEMICAL- WATER	Industrial Water	Magnesium as Mg	IS 3025 (Part 46)
153	CHEMICAL- WATER	Industrial Water	Manganese as Mn	IS 3025 (Part 59)
154	CHEMICAL- WATER	Industrial Water	Oil and Grease	IS 3025 (Part 39)
155	CHEMICAL- WATER	Industrial Water	Oxygen absorbed in 4 hours	IS 3025 (Part 63)
156	CHEMICAL- WATER	Industrial Water	pH	IS 3025 (Part 11)
157	CHEMICAL- WATER	Industrial Water	Potassium as K	IS 3025 (Part 45)
158	CHEMICAL- WATER	Industrial Water	Silica as SiO2	IS 3025 (Part 35)
159	CHEMICAL- WATER	Industrial Water	Sodium as Na	IS 3025 (Part 45)
160	CHEMICAL- WATER	Industrial Water	Sulphate as SO4-	IS 3025 (Part 24)
161	CHEMICAL- WATER	Industrial Water	Total Alkalinity as CaCO3	IS 3025 (Part 23)

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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-9497 **Page No** 8 of 10

Validity 04/05/2021 to 03/05/2023 **Last Amended on** 08/04/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
162	CHEMICAL- WATER	Industrial Water	Total Dissolved Solids (TDS)	IS 3025 (Part 16)
163	CHEMICAL- WATER	Industrial Water	Total Hardness as CaCO3	IS 3025 (Part 21)
164	CHEMICAL- WATER	Industrial Water	Total Solids	IS 3025 (Part 15)
165	CHEMICAL- WATER	Industrial Water	Turbidity	IS 3025 (Part 10)
166	CHEMICAL- WATER	Packaged Drinking Water	Acidity as CaCO3	IS 3025 (Part 22)
167	CHEMICAL- WATER	Packaged Drinking Water	Bicarbonate	IS 3025 (Part 51)
168	CHEMICAL- WATER	Packaged Drinking Water	Boron as B	IS 3025 (Part 57)
169	CHEMICAL- WATER	Packaged Drinking Water	Calcium as Ca	IS 3025 (Part 40)
170	CHEMICAL- WATER	Packaged Drinking Water	Carbonate	IS 3025(Part 51)
171	CHEMICAL- WATER	Packaged Drinking Water	Chloride as Cl-	IS 3025 (Part32)
172	CHEMICAL- WATER	Packaged Drinking Water	Colour	IS 3025 (Part 4)
173	CHEMICAL- WATER	Packaged Drinking Water	Electrical Conductivity (EC)	IS 3025 (Part 14)
174	CHEMICAL- WATER	Packaged Drinking Water	Fluoride as F	IS 3025 (Part 60)
175	CHEMICAL- WATER	Packaged Drinking Water	Free Carbondioxide as CO2	IS 3025 (Part 61)
176	CHEMICAL- WATER	Packaged Drinking Water	Free Residual Chlorine as Cl2	IS 3025 (Part 26)
177	CHEMICAL- WATER	Packaged Drinking Water	Hexavalent Chromium as Cr+6	IS 3025 (Part 52)
178	CHEMICAL- WATER	Packaged Drinking Water	Iron as Fe	IS 3025 (Part 53)
179	CHEMICAL- WATER	Packaged Drinking Water	Magnesium as Mg	IS 3025 (Part 46)
180	CHEMICAL- WATER	Packaged Drinking Water	Manganese as Mn	IS 3025 (Part 59)
181	CHEMICAL- WATER	Packaged Drinking Water	Nitrate as NO3	IS 3025 (Part 34)
182	CHEMICAL- WATER	Packaged Drinking Water	Nitrite as NO2	IS 3025 (Part 34)
183	CHEMICAL- WATER	Packaged Drinking Water	Odor	IS 3025 (Part 5)
184	CHEMICAL- WATER	Packaged Drinking Water	pH	IS 3025 (Part 11)
185	CHEMICAL- WATER	Packaged Drinking Water	Phenolic compounds	IS 3025 (Part 43)
186	CHEMICAL- WATER	Packaged Drinking Water	Potassium as K	IS 3025 (Part 45)
187	CHEMICAL- WATER	Packaged Drinking Water	Silica as SiO2	IS 3025 (Part 35)
188	CHEMICAL- WATER	Packaged Drinking Water	Sodium as Na	IS 3025 (Part 45)
189	CHEMICAL- WATER	Packaged Drinking Water	Sulphate as SO4-	IS 3025 (Part 24)
190	CHEMICAL- WATER	Packaged Drinking Water	Taste	IS 3025 (Part 7)
191	CHEMICAL- WATER	Packaged Drinking Water	Temperature	IS 3025 (Part 9)

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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-9497 **Page No** 9 of 10

Validity 04/05/2021 to 03/05/2023 **Last Amended on** 08/04/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
192	CHEMICAL- WATER	Packaged Drinking Water	Total Alkalinity as CaCO3	IS 3025 (Part 23)
193	CHEMICAL- WATER	Packaged Drinking Water	Total Dissolved Solids (TDS)	IS 3025 (Part 16)
194	CHEMICAL- WATER	Packaged Drinking Water	Total Hardness as CaCO3	IS 3025 (Part 21)
195	CHEMICAL- WATER	Packaged Drinking Water	Total Suspended Solids (TSS)	IS 3025 (Part 17)
196	CHEMICAL- WATER	Packaged Drinking Water	Turbidity	IS 3025 (Part 10)
197	CHEMICAL- WATER	Reagent Grade Water	Color Retention of KMnO4	IS 1070
198	CHEMICAL- WATER	Reagent Grade Water	Electrical Conductivity (EC)	IS 3025 (Part 14)
199	CHEMICAL- WATER	Reagent Grade Water	pH	IS 3025 (Part 11)
200	CHEMICAL- WATER	Reagent Grade Water	Silica as SiO2	IS 3025 (Part 35)
201	CHEMICAL- WATER	Reagent Grade Water	Total Solids	IS 3025 (Part 15)
202	CHEMICAL- WATER	Surface Water	Acidity as CaCO3	IS 3025 (Part 22)
203	CHEMICAL- WATER	Surface Water	Ammonical Nitrogen as NH3-N	IS 3025 (Part 34)
204	CHEMICAL- WATER	Surface Water	Bicarbonate	IS 3025 (Part 51)
205	CHEMICAL- WATER	Surface Water	Biological Oxygen Demand as BOD	IS 3025 (Part 44)
206	CHEMICAL- WATER	Surface Water	Calcium as Ca	IS 3025 (Part 40)
207	CHEMICAL- WATER	Surface Water	Carbonate	IS 3025 (Part 51)
208	CHEMICAL- WATER	Surface Water	Chemical Oxygen Demand as COD	IS 3025 (Part 51)
209	CHEMICAL- WATER	Surface Water	Chloride as Cl-	IS 3025 (Part 32)
210	CHEMICAL- WATER	Surface Water	Color	IS 3025 (Part 4)
211	CHEMICAL- WATER	Surface Water	Dissolved Oxygen (DO)	IS 3025 (Part 38)
212	CHEMICAL- WATER	Surface Water	Electrical Conductivity (EC)	IS 3025 (Part 14)
213	CHEMICAL- WATER	Surface Water	Fluoride as F	IS 3025 (Part 60)
214	CHEMICAL- WATER	Surface Water	Free Residual Chlorine as Cl2	IS 3025 (Part 26)
215	CHEMICAL- WATER	Surface Water	Iron as Fe	IS 3025 (Part 53)
216	CHEMICAL- WATER	Surface Water	Magnesium as Mg	IS 3025 (Part 46)
217	CHEMICAL- WATER	Surface Water	Manganese as Mn	IS 3025 (Part 59)
218	CHEMICAL- WATER	Surface Water	Nitrate as NO3	IS 3025 (Part 34)
219	CHEMICAL- WATER	Surface Water	Nitrite as NO2	IS 3025 (Part 34)
220	CHEMICAL- WATER	Surface Water	Odor	IS 3025 (Part 5)

SCOPE OF ACCREDITATION

Laboratory Name :	ABM ENVIRONMENTAL AND ANALYTICAL LABORATORY (A UNIT OF AADHI BOOMI MINING AND ENVIRO TECH PRIVATE LIMITED), 4/77L, INDRANI NAGAR, SANTHAI MAIN ROAD, NARASOTHIPATTI, SALEM, SALEM, TAMIL NADU, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	TC-9497
Validity	04/05/2021 to 03/05/2023

Last Amended on 08/04/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
221	CHEMICAL- WATER	Surface Water	Oil and Grease	IS 3025 (Part 39)
222	CHEMICAL- WATER	Surface Water	pH	IS 3025 (Part 11)
223	CHEMICAL- WATER	Surface Water	Potassium as K	IS 3025 (Part 45)
224	CHEMICAL- WATER	Surface Water	Silica as SiO2	IS 3025 (Part 35)
225	CHEMICAL- WATER	Surface Water	Sodium as Na	IS 3025 (Part 45)
226	CHEMICAL- WATER	Surface Water	Sulphate as SO4-	IS 3025 (Part 24)
227	CHEMICAL- WATER	Surface Water	Temperature	IS 3025 (Part 9)
228	CHEMICAL- WATER	Surface Water	Total Alkalinity as CaCO3	IS 3025 (Part 23)
229	CHEMICAL- WATER	Surface Water	Total Dissolved Solids (TDS)	IS 3025 (Part 16)
230	CHEMICAL- WATER	Surface Water	Total Hardness as CaCO3	IS 3025 (Part 21)
231	CHEMICAL- WATER	Surface Water	Total Phosphorous	IS 3025 (Part 31)
232	CHEMICAL- WATER	Surface Water	Turbidity	IS 3025 (Part 10)
233	CHEMICAL- WATER	Water for construction purpose	Chloride as Cl	IS 3025 (Part 32)
234	CHEMICAL- WATER	Water for construction purpose	Inorganic solids	IS 3025 (Part 18)
235	CHEMICAL- WATER	Water for construction purpose	Organic solids	IS 3025 (Part 18)
236	CHEMICAL- WATER	Water for construction purpose	pH	IS 3025 (Part 11)
237	CHEMICAL- WATER	Water for construction purpose	Sulphate as SO4	IS 3025 (Part 24)
238	CHEMICAL- WATER	Water for construction purpose	Suspended Solids	IS 3025 (Part 17)
239	CHEMICAL- WATER	Water for construction purpose	Water Neutralization a) To neutralize 100 ml of water using Phenolphthalein Indicator (Acidity as CaCO3)	IS 3025 (Part 22)
240	CHEMICAL- WATER	Water for construction purpose	Water Neutralization b) To neutralize 100 ml of water using a mixed indicator (Alkalinity as CaCO3)	IS 3025 (Part 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.