



National Accreditation Board for
Testing and Calibration Laboratories

CERTIFICATE OF ACCREDITATION

HORIZON ENVIRONMENT & MINERAL SOLUTION LLP

has been assessed and accredited in accordance with the standard

ISO/IEC 17025:2017

**"General Requirements for the Competence of Testing &
Calibration Laboratories"**

for its facilities at

FIRST FLOOR, B-112, THE LANDMARK, KUDASAN, GANDHINAGAR, GUJARAT, INDIA

in the field of

TESTING

Certificate Number: TC-13952

Issue Date: 22/06/2024

Valid Until:

21/06/2026

This certificate remains valid for the Scope of Accreditation as specified in the annexure subject to continued satisfactory compliance to the above standard & the relevant requirements of NABL.

(To see the scope of accreditation of this laboratory, you may also visit NABL website www.nabl-india.org)

Name of Legal Entity: HORIZON ENVIRONMENT & MINERAL SOLUTION LLP

Signed for and on behalf of NABL



N. Venkateswaran
Chief Executive Officer



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	HORIZON ENVIRONMENT & MINERAL SOLUTION LLP, FIRST FLOOR, B-112, THE LANDMARK, KUDASAN, GANDHINAGAR, GUJARAT, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
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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 Testing				
1	CHEMICAL-ATMOSPHERIC POLLUTION	Ambient Air	Ammonia	IS 5182 (Part 25)
2	CHEMICAL-ATMOSPHERIC POLLUTION	Ambient Air	Nitrogen Dioxide as NO ₂	IS 5182 (Part 6)
3	CHEMICAL-ATMOSPHERIC POLLUTION	Ambient Air	Particulate Matter (PM 2.5)	IS 5182 (Part 24)
4	CHEMICAL-ATMOSPHERIC POLLUTION	Ambient Air	Particulate Matter (PM ₁₀)	IS 5182 (Part 23)
5	CHEMICAL-ATMOSPHERIC POLLUTION	Ambient Air	Sulphur Dioxide as SO ₂	IS 5182 (Part 2/ Sec 1)
6	CHEMICAL-ATMOSPHERIC POLLUTION	Ambient Noise	Noise Level Measurement Leq dB (A)	IS 9989
7	CHEMICAL-ATMOSPHERIC POLLUTION	Stack Emission	Oxides of Nitrogen as NO _x	IS 11255 (Part 7)
8	CHEMICAL-ATMOSPHERIC POLLUTION	Stack Emission	Particulate Matter as PM	IS 11255 (Part 1)
9	CHEMICAL-ATMOSPHERIC POLLUTION	Stack Emission	Sulphur Dioxide as SO ₂	IS 11255 (Part 2)
10	CHEMICAL- ORES & MINERALS	Aluminium Ore/ Bauxite	Aluminium Oxide as Al ₂ O ₃	IS 2000 (Part 3)
11	CHEMICAL- ORES & MINERALS	Aluminium Ore/ Bauxite	Calcium Oxide as CaO	IBM Manual for Chemical and Instrumental Analysis of Ores
12	CHEMICAL- ORES & MINERALS	Aluminium Ore/ Bauxite	Ferric Oxide as Fe ₂ O ₃	IS 2000 (Part 4)



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13	CHEMICAL- ORES & MINERALS	Aluminium Ore/ Bauxite	Loss on Ignition as LOI	IS 2000 (Part 1)
14	CHEMICAL- ORES & MINERALS	Aluminium Ore/ Bauxite	Magnesium Oxide as MgO	IBM Manual for Chemical and Instrumental Analysis of Ores
15	CHEMICAL- ORES & MINERALS	Aluminium Ore/ Bauxite	Silicon Dioxide as SiO ₂	IS 2000 (Part 2)
16	CHEMICAL- ORES & MINERALS	Aluminium Ore/ Bauxite	Titanium Dioxide as TiO ₂	IS 2000 (Part 5)
17	CHEMICAL- ORES & MINERALS	Bentonite	Aluminium Oxide as Al ₂ O ₃	IS 12621
18	CHEMICAL- ORES & MINERALS	Bentonite	Calcium Oxide as CaO	IS 12621
19	CHEMICAL- ORES & MINERALS	Bentonite	Ferric Oxide as Fe ₂ O ₃	IS 12621
20	CHEMICAL- ORES & MINERALS	Bentonite	Loss on Ignition as LOI	IS 12621
21	CHEMICAL- ORES & MINERALS	Bentonite	Magnesium Oxide as MgO	IS 12621
22	CHEMICAL- ORES & MINERALS	Bentonite	Silicon Dioxide as SiO ₂	IS 12621
23	CHEMICAL- ORES & MINERALS	Bentonite	Titanium Dioxide as TiO ₂	IS 12621
24	CHEMICAL- ORES & MINERALS	China Clay	Aluminium Oxide as Al ₂ O ₃	IS 2840
25	CHEMICAL- ORES & MINERALS	China Clay	Calcium Oxide as CaO	IS 2840
26	CHEMICAL- ORES & MINERALS	China Clay	Ferric Oxide as Fe ₂ O ₃	IS 2840
27	CHEMICAL- ORES & MINERALS	China Clay	Loss on Ignition as LOI	IS 2840
28	CHEMICAL- ORES & MINERALS	China Clay	Titanium Dioxide as TiO ₂	IS 2840



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29	CHEMICAL- ORES & MINERALS	Feldspar	Aluminium Oxide as Al ₂ O ₃	IS 9749
30	CHEMICAL- ORES & MINERALS	Feldspar	Calcium Oxide as CaO	IS 9749
31	CHEMICAL- ORES & MINERALS	Feldspar	Ferric Oxide as Fe ₂ O ₃	IS 9749
32	CHEMICAL- ORES & MINERALS	Feldspar	Loss on Ignition as LOI	IS 9749
33	CHEMICAL- ORES & MINERALS	Feldspar	Magnesium Oxide as MgO	IS 9749
34	CHEMICAL- ORES & MINERALS	Feldspar	Potassium Oxide as K ₂ O	IS 9749
35	CHEMICAL- ORES & MINERALS	Feldspar	Silicon Dioxide as SiO ₂	IS 9749
36	CHEMICAL- ORES & MINERALS	Feldspar	Sodium Oxide as Na ₂ O	IS 9749
37	CHEMICAL- ORES & MINERALS	Fire Clay	Aluminium Oxide as Al ₂ O ₃	IS 1527
38	CHEMICAL- ORES & MINERALS	Fire Clay	Calcium Oxide as CaO	IS 1527
39	CHEMICAL- ORES & MINERALS	Fire Clay	Ferric Oxide as Fe ₂ O ₃	IS 1527
40	CHEMICAL- ORES & MINERALS	Fire Clay	Loss on Ignition as LOI	IS 1527
41	CHEMICAL- ORES & MINERALS	Fire Clay	Magnesium Oxide as MgO	IS 1527
42	CHEMICAL- ORES & MINERALS	Fire Clay	Silicon Dioxide as SiO ₂	IS 1527
43	CHEMICAL- ORES & MINERALS	Fire Clay	Titanium Dioxide as TiO ₂	IS 1527
44	CHEMICAL- ORES & MINERALS	Iron Ores	Aluminium Oxide as Al ₂ O ₃	IS 1493



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45	CHEMICAL- ORES & MINERALS	Iron Ores	Calcium Oxide as CaO	IS 1493
46	CHEMICAL- ORES & MINERALS	Iron Ores	Ferric Oxide as Fe ₂ O ₃	IS 1493
47	CHEMICAL- ORES & MINERALS	Iron Ores	Magnesium Oxide as MgO	IS 1493
48	CHEMICAL- ORES & MINERALS	Iron Ores	Silicon Dioxide as SiO ₂	IS 1493
49	CHEMICAL- ORES & MINERALS	Iron Ores	Titanium Dioxide as TiO ₂	IS 1493
50	CHEMICAL- ORES & MINERALS	Iron Ores	Total Iron as Fe	IS 1493
51	CHEMICAL- ORES & MINERALS	Lime Stone, Dolomite & Allied Materials	Aluminium Oxide as Al ₂ O ₃	IS 1760 (Part 3)
52	CHEMICAL- ORES & MINERALS	Lime Stone, Dolomite & Allied Materials	Calcium Oxide as CaO	IS 1760 (Part 3)
53	CHEMICAL- ORES & MINERALS	Lime Stone, Dolomite & Allied Materials	Ferric Oxide as Fe ₂ O ₃	IS 1760 (Part 3)
54	CHEMICAL- ORES & MINERALS	Lime Stone, Dolomite & Allied Materials	Loss on Ignition as LOI	IS 1760 (Part 1)
55	CHEMICAL- ORES & MINERALS	Lime Stone, Dolomite & Allied Materials	Magnesium Oxide as MgO	IS 1760 (Part 3)
56	CHEMICAL- ORES & MINERALS	Lime Stone, Dolomite & Allied Materials	Silicon Dioxide as SiO ₂	IS 1760 (Part 2)
57	CHEMICAL- ORES & MINERALS	Manganese Ores	Ferric Oxide as Fe ₂ O ₃	IS 1473
58	CHEMICAL- ORES & MINERALS	Manganese Ores	Manganese as Mn	IS 1473
59	CHEMICAL- ORES & MINERALS	Manganese Ores	Manganese Dioxide as MnO ₂	IS 1473
60	CHEMICAL- ORES & MINERALS	Manganese Ores	Manganese Oxide as MnO	IS 1473



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61	CHEMICAL- ORES & MINERALS	Manganese Ores	Silicon Dioxide as SiO ₂	IS 1473
62	CHEMICAL- ORES & MINERALS	Quartzite/ Silica Sand	Aluminium Oxide as Al ₂ O ₃	IBM Manual for Chemical and Instrumental Analysis of Ores
63	CHEMICAL- ORES & MINERALS	Quartzite/ Silica Sand	Calcium Oxide as CaO	IBM Manual for Chemical and Instrumental Analysis of Ores
64	CHEMICAL- ORES & MINERALS	Quartzite/ Silica Sand	Ferric Oxide as Fe ₂ O ₃	IBM Manual for Chemical and Instrumental Analysis of Ores
65	CHEMICAL- ORES & MINERALS	Quartzite/ Silica Sand	Loss on Ignition as LOI	IS 1917 (Part 1)
66	CHEMICAL- ORES & MINERALS	Quartzite/ Silica Sand	Magnesium Oxide as MgO	IBM Manual for Chemical and Instrumental Analysis of Ores
67	CHEMICAL- ORES & MINERALS	Quartzite/ Silica Sand	Potassium Oxide as K ₂ O	IS 1917 (Part 2)
68	CHEMICAL- ORES & MINERALS	Quartzite/ Silica Sand	Silicon Dioxide as SiO ₂	IS 1917 (Part 3)
69	CHEMICAL- ORES & MINERALS	Quartzite/ Silica Sand	Sodium Oxide as Na ₂ O	IS 1917 (Part 2)
70	CHEMICAL- ORES & MINERALS	Quartzite/ Silica Sand	Titanium Dioxide as TiO ₂	IS 1917 (Part 7)
71	CHEMICAL- ORES & MINERALS	Soap Stone/ Talc	Aluminium Oxide as Al ₂ O ₃	IS 10429
72	CHEMICAL- ORES & MINERALS	Soap Stone/ Talc	Calcium Oxide as CaO	IS 10429
73	CHEMICAL- ORES & MINERALS	Soap Stone/ Talc	Ferric Oxide as Fe ₂ O ₃	IS 10429
74	CHEMICAL- ORES & MINERALS	Soap Stone/ Talc	Loss on Ignition as LOI	IS 10429
75	CHEMICAL- ORES & MINERALS	Soap Stone/ Talc	Magnesium Oxide as MgO	IS 10429



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76	CHEMICAL- ORES & MINERALS	Soap Stone/ Talc	Silicon Dioxide as SiO ₂	IS 10429
77	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Magnesium as Mg	HEMS/SOP/SOIL/13, Issue No. 1, Issue Date: 01.07.2023
78	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Sodium as Na	HEMS/SOP/SOIL/14, Issue No. 1, Issue Date: 01.07.2023
79	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Available Chloride as Cl	HEMS/SOP/SOIL/12, Issue No. 1, Issue Date: 01.07.2023
80	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Available Nitrogen	IS 14684
81	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Available Phosphorus as P	HEMS/SOP/SOIL/09, Issue No. 1, Issue Date: 01.07.2023
82	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Bulk Density	HEMS/SOP/SOIL/07, Issue No. 1, Issue Date: 01.07.2023
83	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Calcium as Ca	HEMS/SOP/SOIL/13, Issue No. 1, Issue Date: 01.07.2023
84	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Cation Exchange Capacity	IS 2720 (Part 24)
85	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Electrical Conductivity	IS 14767
86	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Nitrate	IS 14684
87	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Organic Carbon	IS 2720 (Part 22)



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88	CHEMICAL-POLLUTION & ENVIRONMENT	Soil	Organic Matter	IS 2720 (Part 22)
89	CHEMICAL-POLLUTION & ENVIRONMENT	Soil	pH	IS 2720 (Part 26)
90	CHEMICAL-POLLUTION & ENVIRONMENT	Soil	Potassium as K	HEMS/SOP/SOIL/10, Issue No. 1, Issue Date: 01.07.2023
91	CHEMICAL-POLLUTION & ENVIRONMENT	Soil	Total Nitrogen as N	IS 14684
92	CHEMICAL-POLLUTION & ENVIRONMENT	Soil	Total Soluble Solids	IS 2720 (Part 21)
93	CHEMICAL-POLLUTION & ENVIRONMENT	Soil	Total Soluble Sulphates	IS 2720 (Part 27)
94	CHEMICAL-POLLUTION & ENVIRONMENT	Soil	Water Content	IS 2720 (Part 2)
95	CHEMICAL-POLLUTION & ENVIRONMENT	Soil	Water Holding Capacity	HEMS/SOP/SOIL/16, Issue No. 1, Issue Date: 01.07.2023
96	CHEMICAL-POLLUTION & ENVIRONMENT	Waste (Sludge/Solid)	Moisture	IS 9235
97	CHEMICAL-POLLUTION & ENVIRONMENT	Waste (Sludge/Solid)	Non-Volatile Substance or % Solid	IS 10158
98	CHEMICAL-POLLUTION & ENVIRONMENT	Waste (Sludge/Solid)	pH	IS 10158
99	CHEMICAL-POLLUTION & ENVIRONMENT	Waste (Sludge/Solid)	Volatile Substance or Loss of Ignition	IS 10158



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100	CHEMICAL-POLLUTION & ENVIRONMENT	Waste Water	Ammonical Nitrogen as NH3-N	APHA 24th Edition 4500-NH3 C
101	CHEMICAL-POLLUTION & ENVIRONMENT	Waste Water	Bio Chemical Oxygen Demand @ 27 °C for 3 Days	IS 3025 (Part 44)
102	CHEMICAL-POLLUTION & ENVIRONMENT	Waste Water	Chemical Oxygen Demand	IS 3025 (Part 58)
103	CHEMICAL-POLLUTION & ENVIRONMENT	Waste Water	Chloride as Cl	APHA 24th Edition 4500-Cl- B
104	CHEMICAL-POLLUTION & ENVIRONMENT	Waste Water	Color	APHA 24th Edition 2120 C
105	CHEMICAL-POLLUTION & ENVIRONMENT	Waste Water	Dissolved Oxygen (DO)	APHA 24th Edition 4500-O C
106	CHEMICAL-POLLUTION & ENVIRONMENT	Waste Water	Electrical Conductivity	APHA 24th Edition 2510 B
107	CHEMICAL-POLLUTION & ENVIRONMENT	Waste Water	Fluoride	APHA 24th Edition 4500-F-D
108	CHEMICAL-POLLUTION & ENVIRONMENT	Waste Water	Iron as Fe	APHA 24th Edition 3500 Fe-B
109	CHEMICAL-POLLUTION & ENVIRONMENT	Waste Water	Nitrate	APHA 24th Edition 4500-NO3- B
110	CHEMICAL-POLLUTION & ENVIRONMENT	Waste Water	Nitrite	APHA 24th Edition 4500-NO2-B
111	CHEMICAL-POLLUTION & ENVIRONMENT	Waste Water	Oil and Grease	APHA 24th Edition 5520 B



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112	CHEMICAL-POLLUTION & ENVIRONMENT	Waste Water	pH	APHA 24th Edition 4500-H+ B
113	CHEMICAL-POLLUTION & ENVIRONMENT	Waste Water	Phosphate	APHA 24th Edition 4500-P, D
114	CHEMICAL-POLLUTION & ENVIRONMENT	Waste Water	Potassium as K	APHA 24th Edition 3500-K B
115	CHEMICAL-POLLUTION & ENVIRONMENT	Waste Water	Residual Chlorine	APHA 24th Edition 4500-CI B
116	CHEMICAL-POLLUTION & ENVIRONMENT	Waste Water	Sodium as Na	APHA 24th Edition 3500-Na B
117	CHEMICAL-POLLUTION & ENVIRONMENT	Waste Water	Sulfide as S-2	APHA 24th Edition 4500-S-2 F
118	CHEMICAL-POLLUTION & ENVIRONMENT	Waste Water	Sulphate as SO4	APHA 24th Edition 4500-SO42-E
119	CHEMICAL-POLLUTION & ENVIRONMENT	Waste Water	Temperature	APHA 24th Edition 2550-B
120	CHEMICAL-POLLUTION & ENVIRONMENT	Waste Water	Total Dissolved Solids	APHA 24th Edition 2540-C
121	CHEMICAL-POLLUTION & ENVIRONMENT	Waste Water	Total Kjeldahl Nitrogen as TKN	APHA 24th Edition 4500-Norg-B
122	CHEMICAL-POLLUTION & ENVIRONMENT	Waste Water	Total Solids	APHA 24th Edition 2540-B
123	CHEMICAL-POLLUTION & ENVIRONMENT	Waste Water	Total Suspended Solids	APHA 24th Edition 2540-D



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124	CHEMICAL- WATER	Construction Water	Chloride as Cl	APHA 24th Edition 4500-Cl- B
125	CHEMICAL- WATER	Construction Water	Inorganic Matter	APHA 24th Edition 2540-G
126	CHEMICAL- WATER	Construction Water	Organic Matter	APHA 24th Edition 2540-E
127	CHEMICAL- WATER	Construction Water	pH Value	APHA 24th Edition 4500-H+ B
128	CHEMICAL- WATER	Construction Water	Sulphate as SO4	APHA 24th Edition 4500-SO42- E
129	CHEMICAL- WATER	Construction Water	Total Suspended Solids	APHA 24th Edition 2540-D
130	CHEMICAL- WATER	Construction Water	Volume of 0.02N H2SO4 Required to Neutralize 100 ml Sample of Water using Mixed Indicator	APHA 24th Edition 2320-B
131	CHEMICAL- WATER	Construction Water	Volume of 0.02N NaOH Required to Neutralize 100 ml Sample of Water using Phenolphthalein Indicator	APHA 24th Edition 2310-B
132	CHEMICAL- WATER	Drinking Water	Ammonical Nitrogen as NH3-N	APHA 24th Edition 4500-NH3 C
133	CHEMICAL- WATER	Drinking Water	Calcium as Ca	APHA 24th Edition 3500-Ca-B
134	CHEMICAL- WATER	Drinking Water	Calcium Hardness as CaCO3	APHA 24th Edition 3500-Ca-B
135	CHEMICAL- WATER	Drinking Water	Chloride as Cl	APHA 24th Edition 4500-Cl- B
136	CHEMICAL- WATER	Drinking Water	Color	APHA 24th Edition 2120 C
137	CHEMICAL- WATER	Drinking Water	Dissolved Oxygen (DO)	APHA 24th Edition 4500-O C
138	CHEMICAL- WATER	Drinking Water	Electrical Conductivity	APHA 24th Edition 2510 B
139	CHEMICAL- WATER	Drinking Water	Fluoride	APHA 24th Edition 4500-F-D



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140	CHEMICAL- WATER	Drinking Water	Iron as Fe	APHA 24th Edition 3500-Fe-B
141	CHEMICAL- WATER	Drinking Water	Magnesium as Mg	APHA 24th Edition 3500-Mg B
142	CHEMICAL- WATER	Drinking Water	Magnesium Hardness as CaCO ₃	APHA 24th Edition 3500-Mg B
143	CHEMICAL- WATER	Drinking Water	Nitrate	APHA 24th Edition 4500-NO ₃ - B
144	CHEMICAL- WATER	Drinking Water	Nitrite	APHA 24th Edition 4500-NO ₂ - B
145	CHEMICAL- WATER	Drinking Water	pH	APHA 24th Edition 4500-H+ B
146	CHEMICAL- WATER	Drinking Water	Phosphate	APHA 24th Edition 4500-P, D
147	CHEMICAL- WATER	Drinking Water	Potassium as K	APHA 24th Edition 3500-K B
148	CHEMICAL- WATER	Drinking Water	Residual Chlorine	APHA 24th Edition 4500-CI B
149	CHEMICAL- WATER	Drinking Water	Sodium as Na	APHA 24th Edition 3500-Na B
150	CHEMICAL- WATER	Drinking Water	Sulphate as SO ₄	APHA 24th Edition 4500-SO ₄ - E
151	CHEMICAL- WATER	Drinking Water	Temperature	APHA 24th Edition 2550-B
152	CHEMICAL- WATER	Drinking Water	Total Acidity as CaCO ₃	APHA 24th Edition 2310-B
153	CHEMICAL- WATER	Drinking Water	Total Alkalinity as CaCO ₃	APHA 24th Edition 2320-B
154	CHEMICAL- WATER	Drinking Water	Total Dissolved Solids	APHA 24th Edition 2540-C
155	CHEMICAL- WATER	Drinking Water	Total Hardness as CaCO ₃	APHA 24th Edition 2340-C
156	CHEMICAL- WATER	Drinking Water	Total Solids	APHA 24th Edition 2540-B
157	CHEMICAL- WATER	Drinking Water	Total Suspended Solids	APHA 24th Edition 2540-D
158	CHEMICAL- WATER	Drinking Water	Turbidity	APHA 24th Edition 2130-B



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HORIZON ENVIRONMENT & MINERAL SOLUTION LLP, FIRST FLOOR, B-112, THE LANDMARK,
KUDASAN, GANDHINAGAR, GUJARAT, INDIA

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

TC-13952

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Validity

22/06/2024 to 21/06/2026

Last Amended on

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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
159	CHEMICAL- WATER	Ground Water	Ammonical Nitrogen as NH ₃ -N	APHA 24th Edition 4500-NH ₃ -C
160	CHEMICAL- WATER	Ground Water	Bio Chemical Oxygen Demand @ 27 °C for 3 Days	IS 3025 (Part 44)
161	CHEMICAL- WATER	Ground Water	Calcium as Ca	APHA 24th Edition 3500-Ca-B
162	CHEMICAL- WATER	Ground Water	Calcium Hardness as CaCO ₃	APHA 24th Edition 3500-Ca-B
163	CHEMICAL- WATER	Ground Water	Chemical Oxygen Demand	IS 3025 (Part 58)
164	CHEMICAL- WATER	Ground Water	Chloride as Cl	APHA 24th Edition 4500-Cl- B
165	CHEMICAL- WATER	Ground Water	Color	APHA 24th Edition 2120 C
166	CHEMICAL- WATER	Ground Water	Dissolved Oxygen (DO)	APHA 24th Edition 4500-O C
167	CHEMICAL- WATER	Ground Water	Electrical Conductivity	APHA 24th Edition 2510 B
168	CHEMICAL- WATER	Ground Water	Fluoride	APHA 24th Edition 4500-F-D
169	CHEMICAL- WATER	Ground Water	Iron as Fe	APHA 24th Edition 3500 Fe-B
170	CHEMICAL- WATER	Ground Water	Magnesium as Mg	APHA 24th Edition 3500-Mg B
171	CHEMICAL- WATER	Ground Water	Magnesium Hardness as CaCO ₃	APHA 24th Edition 3500-Mg B
172	CHEMICAL- WATER	Ground Water	Nitrate	APHA 24th Edition 4500-NO ₃ - B
173	CHEMICAL- WATER	Ground Water	Nitrite	APHA 24th Edition 4500-NO ₂ - B
174	CHEMICAL- WATER	Ground Water	Oil and Grease	APHA 24th Edition 5520 B
175	CHEMICAL- WATER	Ground Water	pH	APHA 24th Edition 4500-H+ B



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176	CHEMICAL- WATER	Ground Water	Phosphate	APHA 24th Edition 4500-P, D
177	CHEMICAL- WATER	Ground Water	Potassium as K	APHA 24th Edition 3500-K B
178	CHEMICAL- WATER	Ground Water	Residual Chlorine	APHA 24th Edition 4500-CI B
179	CHEMICAL- WATER	Ground Water	Sodium as Na	APHA 24th Edition 3500-Na B
180	CHEMICAL- WATER	Ground Water	Sulphate as SO ₄	APHA 24th Edition 4500-SO42- E
181	CHEMICAL- WATER	Ground Water	Sulphide	APHA 24th Edition 4500-S2- F
182	CHEMICAL- WATER	Ground Water	Temperature	APHA 24th Edition 2550-B
183	CHEMICAL- WATER	Ground Water	Total Acidity as CaCO ₃	APHA 24th Edition 2310-B
184	CHEMICAL- WATER	Ground Water	Total Alkalinity as CaCO ₃	APHA 24th Edition 2320-B
185	CHEMICAL- WATER	Ground Water	Total Dissolved Solids	APHA 24th Edition 2540-C
186	CHEMICAL- WATER	Ground Water	Total Hardness as CaCO ₃	APHA 24th Edition 2340-C
187	CHEMICAL- WATER	Ground Water	Total Kjeldahl Nitrogen as TKN	APHA 24th Edition 4500-Norg-B
188	CHEMICAL- WATER	Ground Water	Total Solids	APHA 24th Edition 2540-B
189	CHEMICAL- WATER	Ground Water	Total Suspended Solids	APHA 24th Edition 2540-D
190	CHEMICAL- WATER	Ground Water	Turbidity	APHA 24th Edition 2130-B
191	CHEMICAL- WATER	Packaged Drinking Water	Ammonical Nitrogen as NH ₃ -N	APHA 24th Edition 4500-NH3-C
192	CHEMICAL- WATER	Packaged Drinking Water	Calcium as Ca	APHA 24th Edition 3500-Ca-B
193	CHEMICAL- WATER	Packaged Drinking Water	Calcium Hardness as CaCO ₃	APHA 24th Edition 3500-Ca-B
194	CHEMICAL- WATER	Packaged Drinking Water	Chloride as Cl	APHA 24th Edition 4500-CI-B
195	CHEMICAL- WATER	Packaged Drinking Water	Color	APHA 24th Edition 2120 C



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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
196	CHEMICAL- WATER	Packaged Drinking Water	Dissolved Oxygen (DO)	APHA 24th Edition 4500-O C
197	CHEMICAL- WATER	Packaged Drinking Water	Electrical Conductivity	APHA 24th Edition 2510 B
198	CHEMICAL- WATER	Packaged Drinking Water	Fluoride	APHA 24th Edition 4500-F-D
199	CHEMICAL- WATER	Packaged Drinking Water	Iron as Fe	APHA 24th Edition 3500 Fe-B
200	CHEMICAL- WATER	Packaged Drinking Water	Magnesium as Mg	APHA 24th Edition 3500-Mg B
201	CHEMICAL- WATER	Packaged Drinking Water	Magnesium Hardness as CaCO ₃	APHA 24th Edition 3500-Mg B
202	CHEMICAL- WATER	Packaged Drinking Water	Nitrate	APHA 24th Edition 4500-NO ₃ - B
203	CHEMICAL- WATER	Packaged Drinking Water	Nitrite	APHA 24th Edition 4500-NO ₂ -B
204	CHEMICAL- WATER	Packaged Drinking Water	pH	APHA 24th Edition 4500-H+ B
205	CHEMICAL- WATER	Packaged Drinking Water	Phosphate	APHA 24th Edition 4500-P, D
206	CHEMICAL- WATER	Packaged Drinking Water	Potassium as K	APHA 24th Edition 3500-K B
207	CHEMICAL- WATER	Packaged Drinking Water	Residual Chlorine	APHA 24th Edition 4500-CI B
208	CHEMICAL- WATER	Packaged Drinking Water	Sodium as Na	APHA 24th Edition 3500-Na B
209	CHEMICAL- WATER	Packaged Drinking Water	Sulphate as SO ₄	APHA 24th Edition 4500-SO ₄ 2- E
210	CHEMICAL- WATER	Packaged Drinking Water	Temperature	APHA 24th Edition 2550-B
211	CHEMICAL- WATER	Packaged Drinking Water	Total Acidity as CaCO ₃	APHA 24th Edition 2310-B
212	CHEMICAL- WATER	Packaged Drinking Water	Total Alkalinity as CaCO ₃	APHA 24th Edition 2320-B
213	CHEMICAL- WATER	Packaged Drinking Water	Total Dissolved Solids	APHA 24th Edition 2540-C
214	CHEMICAL- WATER	Packaged Drinking Water	Total Hardness as CaCO ₃	APHA 24th Edition 2340-C



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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	Packaged Drinking Water	Total Solids	APHA 24th Edition 2540-B
216	CHEMICAL- WATER	Packaged Drinking Water	Total Suspended Solids	APHA 24th Edition 2540-D
217	CHEMICAL- WATER	Packaged Drinking Water	Turbidity	APHA 24th Edition 2130-B
218	CHEMICAL- WATER	Surface Water	Ammonical Nitrogen as NH ₃ -N	APHA 24th Edition 4500-NH ₃ -C
219	CHEMICAL- WATER	Surface Water	Bio Chemical Oxygen Demand @ 27 °C for 3 Days	IS 3025 (Part 44)
220	CHEMICAL- WATER	Surface Water	Calcium as Ca	APHA 24th Edition 3500-Ca-B
221	CHEMICAL- WATER	Surface Water	Calcium Hardness as CaCO ₃	APHA 24th Edition 3500-Ca-B
222	CHEMICAL- WATER	Surface Water	Chemical Oxygen Demand	IS 3025 (Part 58)
223	CHEMICAL- WATER	Surface Water	Chloride as Cl	APHA 24th Edition 4500-Cl-B
224	CHEMICAL- WATER	Surface Water	Color	APHA 24th Edition 2120 C
225	CHEMICAL- WATER	Surface Water	Dissolved Oxygen (DO)	APHA 24th Edition 4500-O C
226	CHEMICAL- WATER	Surface Water	Electrical Conductivity	APHA 24th Edition 2510-B
227	CHEMICAL- WATER	Surface Water	Fluoride	APHA 24th Edition 4500-F- D
228	CHEMICAL- WATER	Surface Water	Iron as Fe	APHA 24th Edition 3500 Fe-B
229	CHEMICAL- WATER	Surface Water	Magnesium as Mg	APHA 24th Edition 3500-Mg B
230	CHEMICAL- WATER	Surface Water	Magnesium Hardness as CaCO ₃	APHA 24th Edition 3500-Mg B
231	CHEMICAL- WATER	Surface Water	Nitrate	APHA 24th Edition 4500-NO ₃ - B
232	CHEMICAL- WATER	Surface Water	Nitrite	APHA 24th Edition 4500-NO ₂ - B



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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
233	CHEMICAL- WATER	Surface Water	Oil and Grease	APHA 24th Edition 5520-B
234	CHEMICAL- WATER	Surface Water	pH	APHA 24th Edition 4500-H+ B
235	CHEMICAL- WATER	Surface Water	Phosphate	APHA 24th Edition 4500-P, D
236	CHEMICAL- WATER	Surface Water	Potassium as K	APHA 24th Edition 3500-K B
237	CHEMICAL- WATER	Surface Water	Residual Chlorine	APHA 24th Edition 4500-CI B
238	CHEMICAL- WATER	Surface Water	Sodium as Na	APHA 24th Edition 3500-Na B
239	CHEMICAL- WATER	Surface Water	Sulfide as S-2	APHA 24th Edition 4500-S-2 F
240	CHEMICAL- WATER	Surface Water	Sulphate as SO4	APHA 24th Edition 4500-SO42- E
241	CHEMICAL- WATER	Surface Water	Temperature	APHA 24th Edition 2550-B
242	CHEMICAL- WATER	Surface Water	Total Acidity as CaCO3	APHA 24th Edition 2310-B
243	CHEMICAL- WATER	Surface Water	Total Alkalinity as CaCO3	APHA 24th Edition 2320-B
244	CHEMICAL- WATER	Surface Water	Total Dissolved Solids	APHA 24th Edition 2540-C
245	CHEMICAL- WATER	Surface Water	Total Hardness as CaCO3	APHA 24th Edition 2340-C
246	CHEMICAL- WATER	Surface Water	Total Kjeldahl Nitrogen as TKN	APHA 24th Edition 4500-Norg-B
247	CHEMICAL- WATER	Surface Water	Total Solids	APHA 24th Edition 2540-B
248	CHEMICAL- WATER	Surface Water	Total Suspended Solids	APHA 24th Edition 2540-D
249	CHEMICAL- WATER	Surface Water	Turbidity	APHA 24th Edition 2130-B

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.