National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : GEOMINSOLUTION PRIVATE LIMITED (CHEMICAL ANALYSIS DIVISION), C-28,RIICO RESIDENTIAL COLONY, BIKANER, RAJASTHAN, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-9205 **Page No** 1 of 6

Validity 05/03/2023 to 04/03/2025 **Last Amended on** -

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
Permanent Facility				
1	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Ammonia as NH3	AWMA
2	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Oxides of Nitrogen (NOx)	IS 5182 (Part 6)
3	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient air	Particulate matter 10 (PM 10)	IS 5182 (Part 23)
4	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient air	Particulate Matter 2.5 (PM 2.5)	IS 5182 (Part 24)
5	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Sulphur Dioxide (SO2)	IS 5182 (Part 2)
6	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Noise Level	Noise Level-Ambient Noise	IS 9876
7	CHEMICAL- ATMOSPHERIC POLLUTION	Stack emission	Carbon Di-Oxide (CO2)	IS 13270
8	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Carbon Mono Oxide (Co)	IS 13270
9	CHEMICAL- ATMOSPHERIC POLLUTION	Stack emission	Oxygen (O2)	IS 13270
10	CHEMICAL- ATMOSPHERIC POLLUTION	Stack emmision	Nitrogen Oxides (NOx)	IS 11255(Part 7)
11	CHEMICAL- ATMOSPHERIC POLLUTION	Stack emmision	Particulate Matter (PM)	IS 11255 (Part 1)
12	CHEMICAL- ATMOSPHERIC POLLUTION	Stack emmision	Sulphur Dioxide (SO2)	IS 11255 (Part 2)
13	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Available Chloride	IS 3025(Part 32)
14	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Available Phosphorous	USDA-NRCS-4D5
15	CHEMICAL- POLLUTION & ENVIRONMENT	soil	Bulk Density	IS 2720(Part 8)
16	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Calcium Carbonate as CaCO3	IS 2720 (Part 23)
17	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Electric Conductivity	IS 14767
18	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Grain size analysis	IS 2720 (Part 04)

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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
19	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Organic Carbon	IS 2720 (Part 22)
20	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Organic Matter	IS 2720(Part 22)
21	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	pH value	IS 2720(Part 26)
22	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Potassium as K	IS 9497
23	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Sodium as Na	IS 9497
24	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Total Nitrogen	IS 14684
25	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Total Soluble Sulphate	IS 2720(Part 27)
26	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Water Content	IS 2720(Part 2)
27	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Water Holding Capacity	ICARDA, Section 4.2, Edition 3
28	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Biochemical Oxygen Demand	IS 3025 (part 44)
29	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Calcium as Ca	IS 3025 (Part 40)
30	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Chemical Oxygen Demand	IS 3025(Part 58)
31	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Chloride as Cl-	IS 3025 (Part 32)
32	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Chromium (hexavalent)	IS 3025 (Part 52)
33	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Dissolved Oxygen	IS 3025 (Part 38)
34	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Electric conductivity	IS 3025(Part 14)
35	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Fluoride as F	APHA 23RD EDITION
36	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Iron as Fe	IS 3025(Part 53)
37	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Magnesium as Mg	IS 3025 (Part 46)

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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
38	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Nitrate as NO3	IS 3025 (part 34)
39	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Oil and grease	IS 3025 (Part 39)
40	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	pH Value	IS 3025 (Part 11)
41	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Potassium as K	IS 3025 (Part 45)
42	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Sodium as Na	IS 3025 (part 45)
43	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Sulphate as SO4	IS 3025 (part 24)
44	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Sulphide	IS 3025 (Part 29)
45	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Temperature	IS 3025(Part 9)
46	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Total Alkalinity as CaCO3	IS 3025 (Part 23)
47	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Total Dissolve solids	IS 3025(Part 16)
48	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Total Hardness as CaCO3	IS 3025 (Part 21)
49	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Total Solids	IS 3025(Part 15)
50	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Total Suspended Solids	IS 3025 (Part 17)
51	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water	Turbidity	IS 3025 (part 10)
52	CHEMICAL- WATER	Drinking Water	Calcium as Ca	IS 3025 (Part 40)
53	CHEMICAL- WATER	Drinking Water	Chlorides (as Cl-)	IS 3025 (Part 32)
54	CHEMICAL- WATER	Drinking Water	Colour	IS 3025 (Part 4)
55	CHEMICAL- WATER	Drinking Water	Electrical Conductivity	IS 3025 (Part 14)
56	CHEMICAL- WATER	Drinking Water	Fluoride as F	APHA 23RD EDITION
57	CHEMICAL- WATER	Drinking Water	Iron (as Fe2+)	IS 3025 (Part 53)
58	CHEMICAL- WATER	Drinking Water	Magnesium as Mg	IS 3025 (Part 46)
59	CHEMICAL- WATER	Drinking Water	Nitrate as NO3	IS 3025 (Part 34)

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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
60	CHEMICAL- WATER	Drinking Water	pH value	IS : 3025 (part 11)
61	CHEMICAL- WATER	Drinking Water	Sulphate as SO4	IS 3025 (Part 24)
62	CHEMICAL- WATER	Drinking Water	Total Alkalinity as CaCO3	IS 3025 (Part 23)
63	CHEMICAL- WATER	Drinking Water	Total Dissolved Solids	IS 3025 (Part 16)
64	CHEMICAL- WATER	Drinking Water	Total Hardness as CaCO3	IS 3025 (Part 21)
65	CHEMICAL- WATER	Drinking Water	Turbidity	IS 3025 (Part 10)
66	CHEMICAL- WATER	Ground Water	Biochemical Oxygen Demand	IS 3025 (Part 44)
67	CHEMICAL- WATER	Ground Water	Calcium as Ca	IS 3025 (Part 40)
68	CHEMICAL- WATER	Ground Water	Chemical Oxygen Demand	IS 3025 (Part 58)
69	CHEMICAL- WATER	Ground Water	Chloride as Cl-	IS 3025 (Part 32)
70	CHEMICAL- WATER	Ground Water	Colour	IS 3025 (Part 4)
71	CHEMICAL- WATER	Ground Water	Electrical Conductivity	IS 3025 (Part 14)
72	CHEMICAL- WATER	Ground Water	Fluoride as F	APHA 23RD EDITION
73	CHEMICAL- WATER	Ground Water	Iron as Fe2+	IS 3025 (part 53)
74	CHEMICAL- WATER	Ground water	Magnesium as Mg	IS 3025 (Part 46)
75	CHEMICAL- WATER	Ground Water	Nitrate as NO3	IS 3025 (Part 34)
76	CHEMICAL- WATER	Ground Water	pH value	IS : 3025 (part 11)
77	CHEMICAL- WATER	Ground Water	Phosphorous	IS 3025 (Part 31)
78	CHEMICAL- WATER	Ground Water	Sulphate SO4	IS 3025 (part 24)
79	CHEMICAL- WATER	Ground water	Temperature	IS 3025 (Part 9)
80	CHEMICAL- WATER	Ground Water	Total Alkalinity CaCO3	IS 3025 (Part 23)
81	CHEMICAL- WATER	Ground Water	Total dissolve solids	IS 3025 (part 16)
82	CHEMICAL- WATER	Ground Water	Total Hardness CaCO3	IS 3025 (part 21)
83	CHEMICAL- WATER	Ground Water	Total Suspended Solid	IS 3025 (Part 17)
84	CHEMICAL- WATER	ground water	Turbidity	IS 3025 (Part 10)
85	CHEMICAL- WATER	Packaged Drinking Water	Calcium as Ca	IS 3025 (part 40)
86	CHEMICAL- WATER	Packaged Drinking Water	Chlorides as Cl	IS 3025 (Part 32)
87	CHEMICAL- WATER	Packaged Drinking Water	Colour	IS 3025 (part 4)
88	CHEMICAL- WATER	Packaged Drinking Water	Fluoride as F	APHA 23RD EDITION
89	CHEMICAL- WATER	Packaged Drinking Water	Iron as Fe2+	IS 3025 (Part 53)

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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
90	CHEMICAL- WATER	Packaged Drinking Water	Magnesium as Mg	IS 3025 (Part 46)
91	CHEMICAL- WATER	Packaged Drinking Water	Nitrate as NO3	IS 3025 (Part 34)
92	CHEMICAL- WATER	Packaged Drinking Water	pH Value	IS : 3025 (part 11)
93	CHEMICAL- WATER	Packaged Drinking Water	Sulphate as SO4	IS 3025 (Part 24)
94	CHEMICAL- WATER	Packaged Drinking Water	Total Alkalinity as CaCO3	IS 3025 (Part 23)
95	CHEMICAL- WATER	Packaged Drinking Water	Total Dissolve Solids	IS 3025 (Part 16)
96	CHEMICAL- WATER	Packaged Drinking Water	Turbidity	IS 3025 (Part 10)
97	CHEMICAL- WATER	surface water	Biochemical Oxygen Demand	IS 3025 (Part 44)
98	CHEMICAL- WATER	Surface Water	Calcium as Ca	IS 3025 (Part 40)
99	CHEMICAL- WATER	surface water	chemical oxygen demand	IS 3025 (Part 58)
100	CHEMICAL- WATER	Surface Water	Chloride as Cl-	IS 3025 (part 32)
101	CHEMICAL- WATER	Surface Water	Colour	IS 3025 (Part 4)
102	CHEMICAL- WATER	surface water	Electrical Conductivity	IS 3025 (Part 14)
103	CHEMICAL- WATER	surface water	Fluoride as F	APHA 23RD EDITION
104	CHEMICAL- WATER	surface water	iron Fe2+	IS 3025 (Part 53)
105	CHEMICAL- WATER	Surface water	Magnesium as Mg	IS 3025 (Part 46)
106	CHEMICAL- WATER	Surface water	Nitrate as NO3	IS 3025 (Part 34)
107	CHEMICAL- WATER	Surface Water	pH Value	IS : 3025 (part 11)
108	CHEMICAL- WATER	Surface Water	Phosphorous	IS 3025 (Part 31)
109	CHEMICAL- WATER	Surface Water	Sulphate as SO4	IS 3025 (Part 24)
110	CHEMICAL- WATER	Surface Water	Temperature	IS 3025 (Part 9)
111	CHEMICAL- WATER	Surface Water	total alkalinity as CaCO3	IS 3025 (Part 23)
112	CHEMICAL- WATER	Surface Water	Total Dissolve Solids	IS 3025 (Part 16)
113	CHEMICAL- WATER	Surface Water	Total Hardness as CaCO3	IS 3025 (Part 21)
114	CHEMICAL- WATER	Surface Water	Total Suspended Solids	IS 3025(part 17)
115	CHEMICAL- WATER	Surface Water	Turbidity	IS 3025 (part 10)
116	CHEMICAL- WATER	Water for food	Calcium as Ca	IS 3025 (Part 40)
117	CHEMICAL- WATER	Water for food	Chlorides as Cl-	IS 3025 (Part 32)
118	CHEMICAL- WATER	Water for food	Colour	IS 3025 (Part 4)
119	CHEMICAL- WATER	Water for Food	Fluoride as F	APHA 23RD EDITION

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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
120	CHEMICAL- WATER	Water for food	Iron as Fe2+	IS 3025 (Part 53)
121	CHEMICAL- WATER	Water for food	Magnesium as Mg	IS 3025(Part 46)
122	CHEMICAL- WATER	Water for food	Nitrate as NO3	IS 3025 (Part 34)
123	CHEMICAL- WATER	Water for Food	pH Value	IS : 3025 (part 11)
124	CHEMICAL- WATER	Water for food	Sulphate as SO4	IS 3025 (Part 24)
125	CHEMICAL- WATER	Water for Food	Total Dissolve Solids	IS 3025 (Part 16)
126	CHEMICAL- WATER	Water for food	Total Hardness as CaCO3	IS 3025 (part21)
127	CHEMICAL- WATER	Water for Food	Turbidity	IS 3025 (part 10)
128	CHEMICAL- WATER	Water from Water Purifiers	Biochemical Oxygen Demand	IS 3025 (Part 44)
129	CHEMICAL- WATER	Water from Water Purifiers	Calcium as Ca	IS 3025 (Part 40)
130	CHEMICAL- WATER	Water from Water Purifiers	Chemical Oxygen Demand	IS 3025 (Part 58)
131	CHEMICAL- WATER	Water from Water Purifiers	Chloride as Cl-	IS 3025 (part 32)
132	CHEMICAL- WATER	Water from Water Purifiers	Colour	IS 3025(Part 4)
133	CHEMICAL- WATER	Water from Water Purifiers	Electrical Conductivity	IS 3025 (Part 14)
134	CHEMICAL- WATER	Water from Water Purifiers	Fluoride as F	APHA 23RD EDITION
135	CHEMICAL- WATER	Water from Water Purifiers	Iron as Fe2+	IS 3025 (Part 53)
136	CHEMICAL- WATER	Water from Water Purifiers	Magnesium as Mg	IS 3025 (part 46)
137	CHEMICAL- WATER	Water from Water Purifiers	Nitrate as NO3	IS 3025 (Part 34)
138	CHEMICAL- WATER	Water from Water Purifiers	pH Value	IS : 3025 (part 11)
139	CHEMICAL- WATER	Water from Water Purifiers	Phosphorous	IS 3025 (Part 31)
140	CHEMICAL- WATER	Water from Water Purifiers	Sulphate as SO4	IS 3025 (Part 24)
141	CHEMICAL- WATER	Water from Water Purifiers	Temperature	IS 3025(Part 9)
142	CHEMICAL- WATER	Water from Water Purifiers	Total Alkalinity as CaCo3	IS 3025 (Part 23)
143	CHEMICAL- WATER	Water from Water Purifiers	Total dissolve solids	IS 3025 (part 16)
144	CHEMICAL- WATER	Water from Water Purifiers	Total Hardness as CaCO3	IS 3025 (Part 21)
145	CHEMICAL- WATER	Water from Water Purifiers	Total Suspended Solid	IS 3025 (Part 17)
146	CHEMICAL- WATER	Water from Water Purifiers	Turbidity	IS 3025 (Part 10)

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.