National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : CHEMICAL AND TIFAC-CORE LABORATORY, SARVAJANIK COLLEGE OF ENGINEERING AND TECHNOLOGY, DR R K DESAI MARG, ATHWA, SURAT, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-8427 **Page No** 1 of 10

Validity 12/04/2022 to 11/04/2024 **Last Amended on** 05/05/2022

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	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient air	Chlorine	IS : 5182 (Part 19)
2	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient air	Oxides of Nitrogen	IS : 5182 (Part 06)
3	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient air	Ozone	CPCB guidelines for measurement of Ambient Air Pollutants – Chemical Method
4	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient air	PM 10	CPCB guidelines for measurement of Ambient Air Pollutants - Gravimetric Method
5	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient air	PM 2.5	CPCB guidelines for measurement of Ambient Air Pollutants - Gravimetric Method
6	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient air	Sulphur Dioxide	IS : 5182 (Part 02)
7	CHEMICAL- ATMOSPHERIC POLLUTION	Process/Vent Emissions	Flow rate	IS : 11255 (Part 03)
8	CHEMICAL- ATMOSPHERIC POLLUTION	Process/Vent Emissions	Oxides of Nitrogen	IS : 11255 (Part 07)
9	CHEMICAL- ATMOSPHERIC POLLUTION	Process/Vent Emissions	Particulate Matter	IS : 11255 (Part 01)
10	CHEMICAL- ATMOSPHERIC POLLUTION	Process/Vent Emissions	Sulphur dioxide	IS : 11255 (Part 02)
11	CHEMICAL- ATMOSPHERIC POLLUTION	Stack emission	Flow rate	IS : 11255 (Part 03)
12	CHEMICAL- ATMOSPHERIC POLLUTION	Stack emission	Oxides of Nitrogen	IS : 11255 (Part 07)
13	CHEMICAL- ATMOSPHERIC POLLUTION	Stack emission	Particulate Matter	IS : 11255 (Part 01)
14	CHEMICAL- ATMOSPHERIC POLLUTION	Stack emission	SOx	IS : 11255 (Part 02)
15	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Phosphate (as PO43- -P)	APHA 4500-P C (23rd edition)
16	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Acidity	APHA 2310 B (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
17	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Alkalinity (as CaCO3)	APHA 2320 B (23rd edition)
18	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Ammonical Nitrogen (as NH3-N)	IS : 3025 (Part 34)
19	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	BOD	IS : 3025 (Part 44)
20	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Calcium (as Ca2+)	APHA 3500-Ca B (23rd edition)
21	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Chloride (Cl)	APHA 4500-Cl B (23rd edition)
22	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	COD	IS : 3025 (Part 58)
23	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Conductivity	APHA 2510 B (23rd edition)
24	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Dissolved Oxygen	APHA 4500-O C (23rd edition)
25	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Hexavalent Chromium	IS : 3025 (Part 52)
26	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Iron	APHA 3500-Fe B (23rd edition)
27	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Magnesium (as Mg2+)	APHA 3500-Mg B (23rd edition)
28	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Oil and Grease	IS : 3025 (Part 39)
29	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	pH	IS : 3025 (Part 11)
30	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Residual Chlorine	IS : 3025 (Part 26)
31	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Sulphide	APHA 4500-S2- F (23rd edition)
32	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Temperature	IS : 3025 (Part 09)
33	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Total Dissolve Solid	APHA 2540 C (23rd edition)
34	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Total Hardness (as CaCO3)	IS : 3025 (Part 21)
35	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Total Solid	APHA 2540 B (23rd edition)

SCOPE OF ACCREDITATION

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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
36	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Total Suspended Solid	APHA 2540 D (23rd edition)
37	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Turbidity	IS : 3025 (Part 10)
38	CHEMICAL- WATER	Water from purifiers	pH	IS : 3025 (Part 11)
39	CHEMICAL- WATER	Water from purifiers	Total Hardness (as CaCO3)	IS : 3025 (Part 21)
40	CHEMICAL- WATER	Water from purifiers	Turbidity	IS : 3025 (Part 10)
41	CHEMICAL- WATER	Construction Water	Oil and Grease	IS : 3025 (Part 39)
42	CHEMICAL- WATER	Construction Water	Acidity	APHA 2310 B (23rd edition)
43	CHEMICAL- WATER	Construction Water	Alkalinity (as CaCO3)	APHA 2320 B (23rd edition)
44	CHEMICAL- WATER	Construction Water	Ammonical Nitrogen (as NH3-N)	IS : 3025 (Part 34)
45	CHEMICAL- WATER	Construction Water	BOD	IS : 3025 (Part 44)
46	CHEMICAL- WATER	Construction Water	Calcium (as Ca2+)	APHA 3500-Ca B (23rd edition)
47	CHEMICAL- WATER	Construction Water	Chloride (Cl)	APHA 4500-Cl B (23rd edition)
48	CHEMICAL- WATER	Construction Water	COD	IS : 3025 (Part 58)
49	CHEMICAL- WATER	Construction Water	Conductivity	APHA 2510 B (23rd edition)
50	CHEMICAL- WATER	Construction Water	Dissolved Oxygen	APHA 4500-O C (23rd edition)
51	CHEMICAL- WATER	Construction Water	Hexavalent Chromium	IS : 3025 (Part 52)
52	CHEMICAL- WATER	Construction Water	Iron	APHA 3500-Fe B (23rd edition)
53	CHEMICAL- WATER	Construction Water	Magnesium (as Mg2+)	APHA 3500-Mg B (23rd edition)
54	CHEMICAL- WATER	Construction Water	pH	IS : 3025 (Part 11)
55	CHEMICAL- WATER	Construction Water	Phosphate (as PO43- -P)	APHA 4500-P C (23rd edition)
56	CHEMICAL- WATER	Construction Water	Residual Chlorine	IS : 3025 (Part 26)
57	CHEMICAL- WATER	Construction Water	Sulphide	APHA 4500-S2- F (23rd edition)
58	CHEMICAL- WATER	Construction Water	Temperature	IS : 3025 (Part 09)
59	CHEMICAL- WATER	Construction Water	Total Dissolve Solid	APHA 2540 C (23rd edition)
60	CHEMICAL- WATER	Construction Water	Total Hardness (as CaCO3)	IS : 3025 (Part 21)
61	CHEMICAL- WATER	Construction Water	Total Solid	APHA 2540 B (23rd edition)
62	CHEMICAL- WATER	Construction Water	Total Suspended Solid	APHA 2540 D (23rd edition)
63	CHEMICAL- WATER	Construction Water	Turbidity	IS : 3025 (Part 10)
64	CHEMICAL- WATER	Drinking Water	Acidity	APHA 2310 B (23rd edition)

SCOPE OF ACCREDITATION

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65	CHEMICAL- WATER	Drinking Water	Alkalinity (as CaCO3)	APHA 2320 B (23rd edition)
66	CHEMICAL- WATER	Drinking Water	Ammonical Nitrogen (as NH3-N)	IS : 3025 (Part 34)
67	CHEMICAL- WATER	Drinking Water	BOD	IS : 3025 (Part 44)
68	CHEMICAL- WATER	Drinking Water	Calcium (as Ca2+)	APHA 3500-Ca B (23rd edition)
69	CHEMICAL- WATER	Drinking Water	Chloride (Cl)	APHA 4500-Cl B (23rd edition)
70	CHEMICAL- WATER	Drinking Water	COD	IS : 3025 (Part 58)
71	CHEMICAL- WATER	Drinking Water	Conductivity	APHA 2510 B (23rd edition)
72	CHEMICAL- WATER	Drinking Water	Dissolved Oxygen	APHA 4500-O C (23rd edition)
73	CHEMICAL- WATER	Drinking Water	Hexavalent Chromium	IS : 3025 (Part 52)
74	CHEMICAL- WATER	Drinking Water	Iron	APHA 3500-Fe B (23rd edition)
75	CHEMICAL- WATER	Drinking Water	Magnesium (as Mg2+)	APHA 3500-Mg B (23rd edition)
76	CHEMICAL- WATER	Drinking Water	Oil and Grease	IS : 3025 (Part 39)
77	CHEMICAL- WATER	Drinking Water	pH	IS : 3025 (Part 2)
78	CHEMICAL- WATER	Drinking Water	Phosphate (as PO43- -P)	APHA 4500-P C (23rd edition)
79	CHEMICAL- WATER	Drinking Water	Residual Chlorine	IS : 3025 (Part 26)
80	CHEMICAL- WATER	Drinking Water	Sulphide	APHA 4500-S2- F (23rd edition)
81	CHEMICAL- WATER	Drinking Water	Temperature	IS : 3025 (Part 09)
82	CHEMICAL- WATER	Drinking Water	Total Dissolve Solid	APHA 2540 C (23rd edition)
83	CHEMICAL- WATER	Drinking Water	Total Hardness (as CaCO3)	IS : 3025 (Part 21)
84	CHEMICAL- WATER	Drinking Water	Total Solid	APHA 2540 B (23rd edition)
85	CHEMICAL- WATER	Drinking Water	Total Suspended Solid	APHA 2540 D (23rd edition)
86	CHEMICAL- WATER	Drinking Water	Turbidity	IS : 3025 (Part 10)
87	CHEMICAL- WATER	Ground Water	Acidity	APHA 2310 B (23rd edition)
88	CHEMICAL- WATER	Ground Water	Alkalinity (as CaCO3)	APHA 2320 B (23rd edition)
89	CHEMICAL- WATER	Ground WATER	Ammonical Nitrogen (as NH3-N)	IS : 3025 (Part 34)
90	CHEMICAL- WATER	Ground Water	BOD	IS : 3025 (Part 44)
91	CHEMICAL- WATER	Ground Water	Calcium (as Ca2+)	APHA 3500-Ca B (23rd edition)
92	CHEMICAL- WATER	Ground Water	Chloride (Cl)	APHA 4500-Cl B (23rd edition)
93	CHEMICAL- WATER	Ground Water	COD	IS : 3025 (Part 58)

SCOPE OF ACCREDITATION

Laboratory Name : CHEMICAL AND TIFAC-CORE LABORATORY, SARVAJANIK COLLEGE OF ENGINEERING AND TECHNOLOGY, DR R K DESAI MARG, ATHWA, SURAT, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

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Validity 12/04/2022 to 11/04/2024 **Last Amended on** 05/05/2022

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
94	CHEMICAL- WATER	Ground Water	Conductivity	APHA 2510 B (23rd edition)
95	CHEMICAL- WATER	Ground Water	Dissolved Oxygen	APHA 4500-O C (23rd edition)
96	CHEMICAL- WATER	Ground Water	Hexavalent Chromium	IS : 3025 (Part 52)
97	CHEMICAL- WATER	Ground Water	Iron	APHA 3500-Fe B (23rd edition)
98	CHEMICAL- WATER	Ground Water	Oil and Grease	IS : 3025 (Part 39)
99	CHEMICAL- WATER	Ground Water	pH	IS : 3025 (Part 11)
100	CHEMICAL- WATER	Ground Water	Phosphate (as PO43- -P)	APHA 4500-P C (23rd edition)
101	CHEMICAL- WATER	Ground Water	Residual Chlorine	IS : 3025 (Part 26)
102	CHEMICAL- WATER	Ground Water	Sulphide	APHA 4500-S2- F (23rd edition)
103	CHEMICAL- WATER	Ground Water	Temperature	IS : 3025 (Part 09)
104	CHEMICAL- WATER	Ground Water	Total Dissolve Solid	APHA 2540 C (23rd edition)
105	CHEMICAL- WATER	Ground Water	Total Hardness (as CaCO3)	IS : 3025 (Part 21)
106	CHEMICAL- WATER	Ground Water	Total Solid	APHA 2540 B (23rd edition)
107	CHEMICAL- WATER	Ground Water	Total Suspended Solid	APHA 2540 D (23rd edition)
108	CHEMICAL- WATER	Ground Water	Turbidity	IS : 3025 (Part 10)
109	CHEMICAL- WATER	Industrial Water	Total Solid	APHA 2540 B (23rd edition)
110	CHEMICAL- WATER	Industrial Water	Acidity	APHA 2310 B (23rd edition)
111	CHEMICAL- WATER	Industrial Water	Alkalinity (as CaCO3)	APHA 2320 B (23rd edition)
112	CHEMICAL- WATER	Industrial Water	Ammonical Nitrogen (as NH3-N)	IS : 3025 (Part 34)
113	CHEMICAL- WATER	Industrial Water	BOD	IS : 3025 (Part 44)
114	CHEMICAL- WATER	Industrial Water	Calcium (as Ca2+)	APHA 3500-Ca B (23rd edition)
115	CHEMICAL- WATER	Industrial Water	Chloride (Cl)	APHA 4500-Cl B (23rd edition)
116	CHEMICAL- WATER	Industrial Water	COD	IS : 3025 (Part 58)
117	CHEMICAL- WATER	Industrial Water	Conductivity	APHA 2510 B (23rd edition)
118	CHEMICAL- WATER	Industrial Water	Dissolved Oxygen	APHA 4500-O C (23rd edition)
119	CHEMICAL- WATER	Industrial Water	Hexavalent Chromium	IS : 3025 (Part 52)
120	CHEMICAL- WATER	Industrial Water	Iron	APHA 3500-Fe B (23rd edition)
121	CHEMICAL- WATER	Industrial Water	Magnesium (as Mg2+)	APHA 3500-Mg B (23rd edition)
122	CHEMICAL- WATER	Industrial Water	Oil and Grease	IS : 3025 (Part 39)
123	CHEMICAL- WATER	Industrial Water	pH	IS : 3025 (Part 11)

SCOPE OF ACCREDITATION

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Validity 12/04/2022 to 11/04/2024 **Last Amended on** 05/05/2022

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
124	CHEMICAL- WATER	Industrial Water	Phosphate (as PO43- -P)	APHA 4500-P C (23rd edition)
125	CHEMICAL- WATER	Industrial Water	Residual Chlorine	IS : 3025 (Part 26)
126	CHEMICAL- WATER	Industrial Water	Sulphide	APHA 4500-S2- F (23rd edition)
127	CHEMICAL- WATER	Industrial Water	Temperature	IS : 3025 (Part 09)
128	CHEMICAL- WATER	Industrial Water	Total Dissolve Solid	APHA 2540 C (23rd edition)
129	CHEMICAL- WATER	Industrial Water	Total Hardness (as CaCO3)	IS : 3025 (Part 21)
130	CHEMICAL- WATER	Industrial Water	Total Suspended Solid	APHA 2540 D (23rd edition)
131	CHEMICAL- WATER	Industrial Water	Turbidity	IS : 3025 (Part 10)
132	CHEMICAL- WATER	Irrigation Water	Acidity	APHA 2310 B (23rd edition)
133	CHEMICAL- WATER	Irrigation Water	Alkalinity (as CaCO3)	APHA 2320 B (23rd edition)
134	CHEMICAL- WATER	Irrigation Water	Ammonical Nitrogen (as NH3-N)	IS : 3025 (Part 34)
135	CHEMICAL- WATER	Irrigation Water	BOD	IS : 3025 (Part 44)
136	CHEMICAL- WATER	Irrigation Water	Calcium (as Ca2+)	APHA 3500-Ca B (23rd edition)
137	CHEMICAL- WATER	Irrigation Water	Chloride (Cl)	APHA 4500-Cl B (23rd edition)
138	CHEMICAL- WATER	Irrigation Water	COD	IS : 3025 (Part 58)
139	CHEMICAL- WATER	Irrigation Water	Conductivity	APHA 2510 B (23rd edition)
140	CHEMICAL- WATER	Irrigation Water	Dissolved Oxygen	APHA 4500-O C (23rd edition)
141	CHEMICAL- WATER	Irrigation Water	Hexavalent Chromium	IS : 3025 (Part 52)
142	CHEMICAL- WATER	Irrigation Water	Iron	APHA 3500-Fe B (23rd edition)
143	CHEMICAL- WATER	Irrigation Water	Magnesium (as Mg2+)	APHA 3500-Mg B (23rd edition)
144	CHEMICAL- WATER	Irrigation Water	Oil and Grease	IS : 3025 (Part 39)
145	CHEMICAL- WATER	Irrigation Water	pH	IS : 3025 (Part 11)
146	CHEMICAL- WATER	Irrigation Water	Phosphate (as PO43- -P)	APHA 4500-P C (23rd edition)
147	CHEMICAL- WATER	Irrigation Water	Residual Chlorine	IS : 3025 (Part 26)
148	CHEMICAL- WATER	Irrigation Water	Sulphide	APHA 4500-S2- F (23rd edition)
149	CHEMICAL- WATER	Irrigation Water	Temperature	IS : 3025 (Part 09)
150	CHEMICAL- WATER	Irrigation Water	Total Dissolve Solid	APHA 2540 C (23rd edition)
151	CHEMICAL- WATER	Irrigation Water	Total Hardness (as CaCO3)	IS : 3025 (Part 21)
152	CHEMICAL- WATER	Irrigation Water	Total Solid	APHA 2540 B (23rd edition)
153	CHEMICAL- WATER	Irrigation Water	Total Suspended Solid	APHA 2540 D (23rd edition)

SCOPE OF ACCREDITATION

Laboratory Name :	CHEMICAL AND TIFAC-CORE LABORATORY, SARVAJANIK COLLEGE OF ENGINEERING AND TECHNOLOGY, DR R K DESAI MARG, ATHWA, SURAT, 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
154	CHEMICAL- WATER	Irrigation Water	Turbidity	IS : 3025 (Part 10)
155	CHEMICAL- WATER	Packaged Drinking Water	Acidity	APHA 2310 B (23rd edition)
156	CHEMICAL- WATER	Packaged Drinking Water	Alkalinity (as CaCO3)	APHA 2320 B (23rd edition)
157	CHEMICAL- WATER	Packaged Drinking Water	Ammonical Nitrogen (as NH3-N)	IS : 3025 (Part 34) –
158	CHEMICAL- WATER	Packaged Drinking Water	BOD	IS : 3025 (Part 44)
159	CHEMICAL- WATER	Packaged Drinking Water	Calcium (as Ca2+)	APHA 3500-Ca B (23rd edition)
160	CHEMICAL- WATER	Packaged Drinking Water	Chloride (Cl)	APHA 4500-Cl B (23rd edition)
161	CHEMICAL- WATER	Packaged Drinking Water	COD	IS : 3025 (Part 58)
162	CHEMICAL- WATER	Packaged Drinking Water	Conductivity	APHA 2510 B (23rd edition)
163	CHEMICAL- WATER	Packaged Drinking Water	Dissolved Oxygen	APHA 4500-O C (23rd edition)
164	CHEMICAL- WATER	Packaged Drinking Water	Hexavalent Chromium	IS : 3025 (Part 52)
165	CHEMICAL- WATER	Packaged Drinking Water	Iron	APHA 3500-Fe B (23rd edition)
166	CHEMICAL- WATER	Packaged Drinking Water	Magnesium (as Mg2+)	APHA 3500-Mg B (23rd edition)
167	CHEMICAL- WATER	Packaged Drinking Water	Oil and Grease	IS : 3025 (Part 39)
168	CHEMICAL- WATER	Packaged Drinking Water	pH	IS : 3025 (Part 11)
169	CHEMICAL- WATER	Packaged Drinking Water	Phosphate (as PO43- -P)	APHA 4500-P C (23rd edition)
170	CHEMICAL- WATER	Packaged Drinking Water	Residual Chlorine	IS : 3025 (Part 26)
171	CHEMICAL- WATER	Packaged Drinking Water	Sulphide	APHA 4500-S2- F (23rd edition)
172	CHEMICAL- WATER	Packaged Drinking Water	Total Dissolve Solid	APHA 2540 C (23rd edition)
173	CHEMICAL- WATER	Packaged Drinking Water	Total Hardness (as CaCO3)	IS : 3025 (Part 21)
174	CHEMICAL- WATER	Packaged Drinking Water	Total Solid	APHA 2540 B (23rd edition)
175	CHEMICAL- WATER	Packaged Drinking Water	Total Suspended Solid	APHA 2540 D (23rd edition)
176	CHEMICAL- WATER	Packaged Drinking Water	Turbidity	IS : 3025 (Part 10)
177	CHEMICAL- WATER	Packed Drinking Water	Temperature	IS : 3025 (Part 09)
178	CHEMICAL- WATER	Surface Water	Acidity	APHA 2310 B (23rd edition)
179	CHEMICAL- WATER	Surface Water	Alkalinity (as CaCO3)	APHA 2320 B (23rd edition)
180	CHEMICAL- WATER	Surface Water	Ammonical Nitrogen (as NH3-N)	IS : 3025 (Part 34)
181	CHEMICAL- WATER	Surface Water	BOD	IS : 3025 (Part 44)
182	CHEMICAL- WATER	Surface Water	Calcium (as Ca2+)	APHA 3500-Ca B (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
183	CHEMICAL- WATER	Surface Water	Chloride (Cl)	APHA 4500-Cl B (23rd edition)
184	CHEMICAL- WATER	Surface Water	COD	IS : 3025 (Part 58)
185	CHEMICAL- WATER	Surface Water	Conductivity	APHA 2510 B (23rd edition)
186	CHEMICAL- WATER	Surface Water	Dissolved Oxygen	APHA 4500-O C (23rd edition)
187	CHEMICAL- WATER	Surface Water	Hexavalent Chromium	IS : 3025 (Part 52)
188	CHEMICAL- WATER	Surface Water	Iron	APHA 3500-Fe B (23rd edition)
189	CHEMICAL- WATER	Surface Water	Magnesium (as Mg2+)	APHA 3500-Mg B (23rd edition)
190	CHEMICAL- WATER	Surface Water	Oil and Grease	IS : 3025 (Part 39)
191	CHEMICAL- WATER	Surface Water	pH	IS : 3025 (Part 11)
192	CHEMICAL- WATER	Surface Water	Phosphate (as PO43- -P)	APHA 4500-P C (23rd edition)
193	CHEMICAL- WATER	Surface water	Residual Chlorine	IS : 3025 (Part 26)
194	CHEMICAL- WATER	Surface Water	Sulphide	APHA 4500-S2- F (23rd edition)
195	CHEMICAL- WATER	Surface Water	Temperature	IS : 3025 (Part 09)
196	CHEMICAL- WATER	Surface Water	Total Dissolve Solid	APHA 2540 C (23rd edition)
197	CHEMICAL- WATER	Surface Water	Total Hardness (as CaCO3)	IS : 3025 (Part 21)
198	CHEMICAL- WATER	Surface Water	Total Solid	APHA 2540 B (23rd edition)
199	CHEMICAL- WATER	Surface Water	Total Suspended Solid	APHA 2540 D (23rd edition)
200	CHEMICAL- WATER	Surface Water	Turbidity	IS : 3025 (Part 10)
201	CHEMICAL- WATER	Swimming Pool Water	Acidity	APHA 2310 B (23rd edition)
202	CHEMICAL- WATER	Swimming Pool Water	Alkalinity (as CaCO3)	APHA 2320 B (23rd edition)
203	CHEMICAL- WATER	Swimming Pool Water	Ammonical Nitrogen (as NH3-N)	IS : 3025 (Part 34)
204	CHEMICAL- WATER	Swimming Pool Water	BOD	IS : 3025 (Part 44)
205	CHEMICAL- WATER	Swimming Pool Water	Calcium (as Ca2+)	APHA 3500-Ca B (23rd edition)
206	CHEMICAL- WATER	Swimming Pool Water	Chloride (Cl)	APHA 4500-Cl B (23rd edition)
207	CHEMICAL- WATER	Swimming Pool Water	COD	IS : 3025 (Part 58)
208	CHEMICAL- WATER	Swimming Pool Water	Conductivity	APHA 2510 B (23rd edition)
209	CHEMICAL- WATER	Swimming Pool Water	Dissolved Oxygen	APHA 4500-O C (23rd edition)
210	CHEMICAL- WATER	Swimming Pool Water	Hexavalent Chromium	IS : 3025 (Part 52)
211	CHEMICAL- WATER	Swimming Pool Water	Iron	APHA 3500-Fe B (23rd edition)
212	CHEMICAL- WATER	Swimming Pool Water	Magnesium (as Mg2+)	APHA 3500-Mg B (23rd edition)

SCOPE OF ACCREDITATION

Laboratory Name : CHEMICAL AND TIFAC-CORE LABORATORY, SARVAJANIK COLLEGE OF ENGINEERING AND TECHNOLOGY, DR R K DESAI MARG, ATHWA, SURAT, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-8427 **Page No** 9 of 10

Validity 12/04/2022 to 11/04/2024 **Last Amended on** 05/05/2022

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
213	CHEMICAL- WATER	Swimming Pool Water	Oil and Grease	IS : 3025 (Part 39)
214	CHEMICAL- WATER	Swimming Pool Water	pH	IS : 3025 (Part 11)
215	CHEMICAL- WATER	Swimming Pool Water	Phosphate (as PO43- -P)	APHA 4500-P C (23rd edition)
216	CHEMICAL- WATER	Swimming Pool Water	Residual Chlorine	IS : 3025 (Part 26)
217	CHEMICAL- WATER	Swimming Pool Water	Sulphide	APHA 4500-S2- F (23rd edition)
218	CHEMICAL- WATER	Swimming Pool Water	Temperature	IS : 3025 (Part 09)
219	CHEMICAL- WATER	Swimming Pool Water	Total Dissolve Solid	APHA 2540 C (23rd edition)
220	CHEMICAL- WATER	Swimming Pool Water	Total Hardness (as CaCO3)	IS : 3025 (Part 21)
221	CHEMICAL- WATER	Swimming Pool Water	Total Solid	APHA 2540 B (23rd edition)
222	CHEMICAL- WATER	Swimming Pool Water	Total Suspended Solid	APHA 2540 D (23rd edition)
223	CHEMICAL- WATER	Swimming Pool Water	Turbidity	IS : 3025 (Part 10)
224	CHEMICAL- WATER	Water from purifiers	Acidity	APHA 2310 B (23rd edition)
225	CHEMICAL- WATER	Water from purifiers	Alkalinity (as CaCO3)	APHA 2320 B (23rd edition)
226	CHEMICAL- WATER	Water from purifiers	Ammonical Nitrogen (as NH3-N)	IS : 3025 (Part 34)
227	CHEMICAL- WATER	Water from purifiers	BOD	IS : 3025 (Part 44)
228	CHEMICAL- WATER	Water from purifiers	Chloride (Cl)	APHA 4500-Cl B (23rd edition)
229	CHEMICAL- WATER	Water from purifiers	COD	IS : 3025 (Part 58)
230	CHEMICAL- WATER	Water from purifiers	Conductivity	APHA 2510 B (23rd edition)
231	CHEMICAL- WATER	Water from purifiers	Hexavalent Chromium	IS : 3025 (Part 52)
232	CHEMICAL- WATER	Water from purifiers	Iron	APHA 3500-Fe B (23rd edition)
233	CHEMICAL- WATER	Water from purifiers	Oil and Grease	IS : 3025 (Part 39)
234	CHEMICAL- WATER	Water from purifiers	Phosphate (as PO43- -P)	APHA 4500-P C (23rd edition)
235	CHEMICAL- WATER	Water from purifiers	Residual Chlorine	IS : 3025 (Part 26)
236	CHEMICAL- WATER	Water from purifiers	Sulphide	APHA 4500-S2- F (23rd edition)
237	CHEMICAL- WATER	Water from purifiers	Temperature	IS : 3025 (Part 09)
238	CHEMICAL- WATER	Water from purifiers	Total Dissolve Solid	APHA 2540 C (23rd edition)
239	CHEMICAL- WATER	Water from purifiers	Total Solid	APHA 2540 B (23rd edition)
240	CHEMICAL- WATER	Water from purifiers	Total Suspended Solid	APHA 2540 D (23rd edition)
241	CHEMICAL- WATER	Water from purifiers	Calcium (as Ca2+)	APHA 3500-Ca B (23rd edition)
242	CHEMICAL- WATER	Water from purifiers	Dissolved Oxygen	APHA 4500-O C (23rd edition)

National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	CHEMICAL AND TIFAC-CORE LABORATORY, SARVAJANIK COLLEGE OF ENGINEERING AND TECHNOLOGY, DR R K DESAI MARG, ATHWA, SURAT, GUJARAT, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-8427	**Page No**	10 of 10
Validity	12/04/2022 to 11/04/2024	**Last Amended on**	05/05/2022

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
243	CHEMICAL- WATER	Water from purifiers	Magnesium (as Mg2+)	APHA 3500-Mg B (23rd edition)

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.