National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : JAGNATH LAB TECHNOLOGIES, 5-6/B, NAYANJYOT CHAMBERS, FIRST FLOOR, GONDAL, RAJKOT, 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 Facility				
1	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Ammonia	SOP for air analysis JLT/SOP-A/NH3/14 ISSUE NO.1 DTD 01/08/2018
2	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Chlorine	IS 5182 (Part 19)
3	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Nitrogen Dioxide as NO2	IS: 5182 (Part-6)
4	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Particulate Matter (size less than 10 µm) as PM 10	IS 5182 (Part-23)
5	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Particulate Matter (size less than 2.5 µm) as PM 2.5	Standard Operating Procedure for Air Analysis JLT/SOP-A/PM2.5/01, Issue No. 1 Dated 01/09/2018
6	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Sulphur Dioxide as SO2	IS: 5182 (Part-2)
7	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Noise Level	Ambient Noise Level Measurement Leq dB (A)	IS 9989
8	CHEMICAL- ATMOSPHERIC POLLUTION	Source Noise	Source Noise	IS 4758
9	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Ammonia	IS 11255 (Part 6)
10	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Oxides of Nitrogen as NOx	IS 11255 (Part 7)
11	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Particulate Matter as PM	IS 11255 (Part 1)
12	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Sulphur Dioxide as SO2	IS 11255 (Part 2)
13	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Temperature	IS 11255 (Part 3)
14	CHEMICAL- ATMOSPHERIC POLLUTION	Work Place Monitoring	Illumination by Lux Meter	IS 6665
15	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Available Calcium as Ca	SOP for Soil Analysis JLT/SOP-S/Ca/20, Issue No. 1 Dated 01/09/2018 Based on Methods Manual,Soil Testing in India for Department of Ministry of Agriculture

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16	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Available Chloride as Cl-	SOP for Soil Analysis JLT/SOP-S/Cl/17, Issue No. 1 Dated 01/09/2018 Based on Methods Manual,Soil Testing in India for Department of Ministry of Agriculture
17	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Available Magnesium as Mg	SOP for Soil Analysis JLT/SOP-S/Mg/20, Issue No. 1 Dated 01/09/2018 Based on Methods Manual,Soil Testing in India for Department of Ministry of Agriculture
18	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Available Nitrogen as N	IS 14684
19	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Available Phosphorus as P	SOP for Soil Analysis JLT/SOP-S/P/16, Issue No. 1 Dated 01/09/2018 Based on Methods Manual,Soil Testing in India for Department of Ministry of Agriculture
20	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Bulk Density	SOP for Soil Analysis JLT/SOP-W & S/BD/07, Issue No. 1 Dated 01/09/2018 Based on Methods Manual,Soil Testing in India for Department of Ministry of Agriculture
21	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Cation Exchange Capacity	IS:2720 (Part 24)
22	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Electrical Conductivity @25° C	IS 14767
23	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Moisture	SOP for Soil Analysis JLT/SOP-S/M/09, Issue No. 1 Dated 01/09/2018 Based on Methods Manual,Soil Testing in India for Department of Ministry of Agriculture
24	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Organic Carbon	IS 2720 (Part 22)
25	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Organic matter	IS 2720 (Part 22)
26	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	pH @ 25° C	IS 2720 (Part – 26)

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27	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Pore Space	SOP for Soil Analysis JLT/SOP-S/p/07, Issue No. 1 Dated 01/09/2018 Based on Methods Manual,Soil Testing in India for Department of Ministry of Agriculture
28	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Potassium as K	SOP for Soil Analysis JLT/SOP-S/K/18, Issue No. 1 Dated 01/09/2018 Based on Methods Manual, Handbook of Methods in Environmental Studies (Volume II)
29	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Sodium as Na	SOP for Soil Analysis JLT/SOP-S/Na/19, Issue No. 1 Dated 01/09/2018 Based on Methods Manual, Handbook of Methods in Environmental Studies (Volume II)
30	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Total Nitrogen as N	IS 14684
31	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments	Total Soluble Sulphates	IS 2720 (Part-28)
32	CHEMICAL- POLLUTION & ENVIRONMENT	Waste (Liquid/ Slurry/ Sludge/Solid/Semi-Solid)	% Solid	SOP for Waste (Liquid/Slurry/ Sludge/Solid/Semi-Solid) Analysis JLT/SOP-W /%S/07, Issue No. 1 Dated 01/09/2018 Based on GPCB Scientific Manual Section -IV
33	CHEMICAL- POLLUTION & ENVIRONMENT	Waste (Liquid/ Slurry/ Sludge/Solid/Semi-Solid)	Moisture	SOP for Waste (Liquid/Slurry/ Sludge/Solid/Semi-Solid)Analysis JLT/SOP-W/M/01, Issue No. 1 Dated 01/09/2018 Based On GPCB Scientific Manual Section-IV
34	CHEMICAL- POLLUTION & ENVIRONMENT	Waste (Liquid/ Slurry/ Sludge/Solid/Semi-Solid)	pH @ 25° C	IS 10158
35	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/Sewage)	Total Kjeldahl Nitrogen	APHA 23rd Edition (4500-Norg B) Macro-Kjeldahl Method
36	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/ Sewage)	Mixed Liquor Suspended Solids (MLSS)	APHA, 23rd edition 2017/2540-D
37	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/Sewage)	Ammonical Nitrogen as NH3-N	APHA 23rd Edition (4500-NH3-B&C) Preliminary Distillation Step & Titrimetric Method

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38	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/Sewage)	Bio-Chemical Oxygen Demand @ 27 °C for 3 Days	IS 3025 (Part 44)
39	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/Sewage)	Chemical Oxygen Demand	IS 3025 (Part 58)
40	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/Sewage)	Chloride as Cl	APHA 23rd Edition (4500 Cl- B) Argentometric Method
41	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/Sewage)	Color	APHA 23rd Edition (2120 -C) Spectrophotometric-Single Wavelength Method
42	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/Sewage)	Dissolved Oxygen	APHA 23rd Edition (4500-O) Azide modification
43	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/Sewage)	Electrical Conductivity @25° C	APHA 23rd Edition (2510-B) Laboratory Method
44	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/Sewage)	Fluoride as F-	APHA 23rd Edition (4500-F-B-D) SPADNS Method
45	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/Sewage)	Hexa valent Chromium as Cr+6	APHA 23rd Edition (3500 Cr B) Colorimetric Method
46	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/Sewage)	Hexa valent Chromium as Cr+6	APHA 23rd Edition (3500 Cr B) Colorimetric Method
47	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/Sewage)	Iron as Fe	APHA 23rd Edition (3500-Fe- B) Phenanthroline Method
48	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/Sewage)	MLVSS (Mixes Liquid Volatile Suspended Solids)	APHA, 23rd Edition 2017/2540-D
49	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/Sewage)	Nitrate	APHA 23rd Edition (4500-NO3-) UV Spectrophotometric method
50	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/Sewage)	Nitrite	APHA 23rd Edition (4500-NO2-B) Colorimetric Method
51	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/Sewage)	Odor	APHA, 23rd Edition 2017/2150-B
52	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/Sewage)	Oil & Grease	APHA 23rd Edition (5520 B) Liquid -Liquid,partition Gravimetric Method
53	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/Sewage)	Oil & Grease	APHA 23rd Edition (5520 B) Liquid -Liquid,Partition - Gravimetric Method
54	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/Sewage)	pH @ 25° C	APHA 23rd Edition (4500-H+ B) Electrometric Method
55	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/Sewage)	Phosphate	APHA 23rd Edition (4500-P) Stannous Chloride Method

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56	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/Sewage)	Phosphate	APHA 23rd Edition (4500-P-D) Stannous Chloride Method
57	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/Sewage)	Residual Chlorine	APHA 23rd Edition (4500-Cl-B) Iodometric Method-I
58	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/Sewage)	Sulphate as SO4	APHA 23rd Edition (4500-SO4 2- E) Turbidimetric Method
59	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/Sewage)	Sulphide	APHA 23rd Edition (4500-S-2-F) Iodometric Method
60	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/Sewage)	Temperature	APHA 23rd Edition (2550 B) Temperature
61	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/Sewage)	Total dissolved solids	APHA 23rd Edition (2540-C) Total Dissolved Solids Dried
62	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/Sewage)	Total solids	APHA 23rd Edition (2540-B) Total Solid Dried at 103-105
63	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/Sewage)	Total Suspended solids	APHA 23rd Edition (2540-D) Total suspended solid
64	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluent/Sewage)	Turbidity	APHA 23rd Edition (2130-B) Nephelometric Method
65	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (Effluents/Sewage)	Organic Solids	APHA, 23rd Edition 2017/2540-E
66	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water 9Effluents/Sewage)	Inorganic Solids	APHA, 23rd Edition 2017/2540-E
67	CHEMICAL- RESIDUES IN WATER	Drinking-Water	Boron as B	APHA, 23rd Edition 2017/4500-B
68	CHEMICAL- RESIDUES IN WATER	Drinking-Water	Copper as Cu	APHA, 23rd Edition 2017/3500-Cu
69	CHEMICAL- RESIDUES IN WATER	Drinking-Water	Hexa valent Chromium as Cr+6	APHA 23rd Edition (3500 Cr B)
70	CHEMICAL- RESIDUES IN WATER	Ground-Water	Boron as B	APHA, 23rd Edition 2017/4500-B
71	CHEMICAL- RESIDUES IN WATER	Ground-Water	Copper as Cu	APHA, 23rd Edition 2017/3500-Cu-
72	CHEMICAL- RESIDUES IN WATER	Ground-Water	Hexa valent Chromium as Cr+	APHA 23rd Edition (3500 Cr B)
73	CHEMICAL- RESIDUES IN WATER	Ground-Water	Potassium as K	APHA, 23rd Edition 2017/3500-K-B
74	CHEMICAL- RESIDUES IN WATER	Ground-Water	Sodium as Na	APHA, 23rd Edition 2017/3500-Na-B

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75	CHEMICAL- RESIDUES IN WATER	Ground-Water	Zinc as Zn	APHA, 23rd Edition 2017/3500-Zn-B
76	CHEMICAL- RESIDUES IN WATER	Surface-Water	Boron as B	APHA, 23rd Edition 2017/4500-B
77	CHEMICAL- RESIDUES IN WATER	SURFACE-WATER	Boron as B	APHA, 23rd Edition 2017/4500-B
78	CHEMICAL- RESIDUES IN WATER	SURFACE-WATER	Copper as Cu	APHA, 23rd Edition 2017/3500-Cu
79	CHEMICAL- RESIDUES IN WATER	SURFACE-WATER	Hexa valent Chromium as Cr+	APHA 23rd Edition (3500 Cr B)
80	CHEMICAL- RESIDUES IN WATER	SURFACE-WATER	Iron as Fe	APHA 23rd Edition (3500-Fe- B)
81	CHEMICAL- RESIDUES IN WATER	SURFACE-WATER	Potassium as K	APHA, 23rd Edition 2017/3500-K-B
82	CHEMICAL- RESIDUES IN WATER	SURFACE-WATER	Sodium as Na	APHA, 23rd Edition 2017/3500-Na-B
83	CHEMICAL- RESIDUES IN WATER	Waste Water (Effluents/Sewage)	Potassium as K	APHA, 23rd Edition 2017/3500-K-B
84	CHEMICAL- RESIDUES IN WATER	Waste Water (Effluents/Sewage)	Sodium as Na	APHA, 23rd Edition 2017/3500-Na-B
85	CHEMICAL- WATER	Drinking Water	Calcium as Ca	APHA 23rd Edition (3500-Ca- B)
86	CHEMICAL- WATER	Drinking Water	Chloride as Cl	APHA 23rd Edition (4500 Cl- B)
87	CHEMICAL- WATER	Drinking Water	Color	APHA 23rd Edition (2120 -B)
88	CHEMICAL- WATER	Drinking Water	Dissolved Oxygen (DO)	APHA 23rd Edition (4500-B & C)
89	CHEMICAL- WATER	Drinking Water	Electrical Conductivity @ 25° C	APHA 23rd Edition (2510-B)
90	CHEMICAL- WATER	Drinking Water	Fluoride as F-	APHA 23rd Edition (4500-F - B - D)
91	CHEMICAL- WATER	Drinking Water	Inorganic Solids	APHA, 23rd Edition 2017/2540-E
92	CHEMICAL- WATER	Drinking Water	Magnesium as Mg	APHA 23rd Edition (3500-Mg-B)
93	CHEMICAL- WATER	Drinking Water	Nitrate	APHA 23rd Edition (4500-NO3-)
94	CHEMICAL- WATER	Drinking Water	Nitrite	APHA 23rd Edition (4500-NO2-B)
95	CHEMICAL- WATER	Drinking Water	Odor	APHA, 23rd Edition 2017/2150-B

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96	CHEMICAL- WATER	Drinking Water	Organic Solids	APHA, 23rd Edition 2017/2540-E
97	CHEMICAL- WATER	Drinking Water	pH @°C	APHA 23rd Edition (4500-H+ B)
98	CHEMICAL- WATER	Drinking Water	Phosphate	APHA 23rd Edition (4500-P)
99	CHEMICAL- WATER	Drinking Water	Potassium as K	APHA, 23rd Edition 2017/3500-K-B
100	CHEMICAL- WATER	Drinking Water	Reactive Silica as SiO2	APHA 23rd Edition (4500-SiO2 - C)
101	CHEMICAL- WATER	Drinking Water	Residual Chlorine	APHA 23rd Edition (4500-Cl-B)
102	CHEMICAL- WATER	Drinking Water	Selenium as Se	APHA 23rd Edition 2017/3500-Se-C
103	CHEMICAL- WATER	Drinking Water	Sodium as Na	APHA, 23rd Edition 2017/3500-B
104	CHEMICAL- WATER	Drinking Water	Sulphate as SO4	APHA 23rd Edition (4500-SO42)
105	CHEMICAL- WATER	Drinking Water	Taste	APHA, 23rd Edition 2017/2160-B
106	CHEMICAL- WATER	Drinking Water	Temperature	APHA 23rd Edition (2550B)
107	CHEMICAL- WATER	Drinking Water	Total Acidity as CaCO3	APHA 23rd Edition (2310-B)
108	CHEMICAL- WATER	Drinking Water	Total Alkalinity as CaCO3	APHA 23rd Edition (2320-B)
109	CHEMICAL- WATER	Drinking Water	Total dissolved solids	APHA 23rd Edition (2540-C)
110	CHEMICAL- WATER	Drinking Water	Total Hardness as CaCO3	APHA 23rd Edition (2340-C)
111	CHEMICAL- WATER	Drinking Water	Total solids	APHA 23rd Edition (2540-B)
112	CHEMICAL- WATER	Drinking Water	Total solids	APHA 23rd Edition (2540-B)
113	CHEMICAL- WATER	Drinking Water	Total Suspended solids	APHA 23rd Edition (2540-D)
114	CHEMICAL- WATER	Drinking Water	Turbidity	APHA 23rd Edition (2130-B)
115	CHEMICAL- WATER	Drinking Water	Vanadium as V	APHA 23rd Edition 2017/3500-V-B
116	CHEMICAL- WATER	Drinking Water	Zinc as Zn	APHA 23rd Edition 2017/3500-Zn-B
117	CHEMICAL- WATER	Ground water	Calcium as Ca	APHA 23rd Edition (3500-Ca- B)
118	CHEMICAL- WATER	Ground water	Chloride as Cl	APHA 23rd Edition (4500 Cl- B)
119	CHEMICAL- WATER	Ground Water	Color	APHA 23rd Edition (2120 -B)
120	CHEMICAL- WATER	Ground water	Color	APHA, 23rd Edition 2120 -B

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121	CHEMICAL- WATER	Ground water	Dissolved Oxygen (DO)	APHA 23rd Edition (4500-B & C)
122	CHEMICAL- WATER	Ground water	Electrical Conductivity @ 25° C	APHA 23rd Edition (2510-B)
123	CHEMICAL- WATER	Ground water	Fluoride as F-	APHA 23rd Edition (4500-F - B-D)
124	CHEMICAL- WATER	Ground Water	Inorganic Solids	APHA, 23rd Edition 2017/2540-E
125	CHEMICAL- WATER	Ground water	Magnesium as Mg	APHA 23rd Edition (3500-Mg-B)
126	CHEMICAL- WATER	Ground water	Nitrate	APHA 23rd Edition (4500-NO3-)
127	CHEMICAL- WATER	Ground water	Nitrite	APHA 23rd Edition (4500-NO2-B)
128	CHEMICAL- WATER	Ground Water	Organic Solids	APHA, 23rd Edition 2017/2540-E
129	CHEMICAL- WATER	Ground Water	pH @ 25° C	APHA 23rd Edition (4500-H+ B)
130	CHEMICAL- WATER	Ground water	Phosphate	APHA 23rd Edition (4500-P)
131	CHEMICAL- WATER	Ground water	Reactive Silica as SiO2	APHA 23rd Edition (4500-SiO2 - C)
132	CHEMICAL- WATER	Ground Water	Residual Chlorine	APHA 23rd Edition (4500-Cl-B)
133	CHEMICAL- WATER	Ground water	Sulphate as SO4	APHA 23rd Edition (4500-SO42-)
134	CHEMICAL- WATER	Ground Water	Temperature	APHA 23rd Edition (2550B)
135	CHEMICAL- WATER	Ground water	Total Acidity as CaCO3	APHA 23rd Edition (2310-B)
136	CHEMICAL- WATER	Ground water	Total Alkalinity as CaCO3	APHA 23rd Edition (2320-B)
137	CHEMICAL- WATER	Ground Water	Total dissolved solids	APHA 23rd Edition (2540-C)
138	CHEMICAL- WATER	Ground water	Total Hardness as CaCO3	APHA 23rd Edition (2340-C)
139	CHEMICAL- WATER	Ground water	Total solids	APHA 23rd Edition (2540-B)
140	CHEMICAL- WATER	Ground water	Total Suspended solids	APHA 23rd Edition (2540-D)
141	CHEMICAL- WATER	Ground water	Turbidity	APHA 23rd Edition (2130-B)
142	CHEMICAL- WATER	Irrigation Water	Bicarbonate	APHA, 23rd Edition 2017/2320-B
143	CHEMICAL- WATER	Irrigation Water	Boron as B	APHA, 23rd Edition 2017/4500-B
144	CHEMICAL- WATER	Irrigation Water	Calcium as Ca	APHA 23rd Edition, 2017/ 3500-Ca-B

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145	CHEMICAL- WATER	Irrigation Water	Carbonates	APHA, 23rd Edition 2017/2320-B
146	CHEMICAL- WATER	Irrigation Water	Chloride as Cl	APHA, 23rd Edition 2017/4500 Cl-B
147	CHEMICAL- WATER	Irrigation Water	Electrical Conductivity @ 25 C	APHA, 23rd Edition 2017/2510-B
148	CHEMICAL- WATER	Irrigation Water	Magnesium as Mg	APHA 23rd edition, 2017/ 3500-Mg-B
149	CHEMICAL- WATER	Irrigation Water	Nitrates	APHA 23rd Edition, 2017/ 4500 NO3
150	CHEMICAL- WATER	Irrigation Water	pH	APHA 23rd Edition, 2017/ 4500 H+ B
151	CHEMICAL- WATER	Irrigation Water	Potassium as K	APHA, 23rd Edition 2017/3500-K-B
152	CHEMICAL- WATER	Irrigation Water	Sodium Adsorption Ratio	IS 11624
153	CHEMICAL- WATER	Irrigation Water	Sodium as Na	APHA 23rd edition, 2017/ 3500-Na-B
154	CHEMICAL- WATER	Irrigation Water	sulfates	APHA 23rd edition, 2017/ 4500 SO4-E
155	CHEMICAL- WATER	Surface Water	Calcium as Ca	APHA 23rd Edition (3500-Ca- B)
156	CHEMICAL- WATER	Surface Water	Chloride as Cl	APHA 23rd Edition (4500 Cl- B)
157	CHEMICAL- WATER	Surface Water	Color	APHA 23rd Edition (2120 -B)
158	CHEMICAL- WATER	Surface Water	Dissolved Oxygen (DO)	APHA 23rd Edition (4500-B & C)
159	CHEMICAL- WATER	Surface Water	Electrical Conductivity @° C	APHA 23rd Edition (2510-B)
160	CHEMICAL- WATER	Surface Water	Fluoride as F-	APHA 23rd Edition (4500-F - B-D)
161	CHEMICAL- WATER	Surface Water	Inorganic Solids	APHA, 23rd Edition 2017/2540-E
162	CHEMICAL- WATER	Surface Water	Magnesium as Mg	APHA 23rd Edition (3500-Mg-B)
163	CHEMICAL- WATER	Surface Water	Nitrate	APHA 23rd Edition (4500-NO3-)
164	CHEMICAL- WATER	Surface Water	Nitrite	APHA 23rd Edition (4500-NO2-B)
165	CHEMICAL- WATER	Surface Water	Odor	APHA, 23rd Edition 2017/2150-B

SCOPE OF ACCREDITATION

Laboratory Name : JAGNATH LAB TECHNOLOGIES, 5-6/B, NAYANJYOT CHAMBERS, FIRST FLOOR, GONDAL, RAJKOT, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

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Validity 17/03/2022 to 16/03/2024 **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
166	CHEMICAL- WATER	Surface Water	Organic Solids	APHA, 23rd Edition 2017/2540-E
167	CHEMICAL- WATER	Surface Water	pH @ 25 °C	APHA 23rd Edition (4500-H+ B)
168	CHEMICAL- WATER	Surface Water	Phosphate	APHA 23rd Edition 4500-P
169	CHEMICAL- WATER	Surface Water	Reactive Silica as SiO2	APHA 23rd Edition (4500-SiO2 - C)
170	CHEMICAL- WATER	Surface Water	Residual Chlorine	APHA 23rd Edition (4500-Cl-B)
171	CHEMICAL- WATER	Surface Water	Sulphate as SO4	APHA 23rd Edition (4500-SO42-)
172	CHEMICAL- WATER	Surface Water	Taste	APHA, 23rd Edition 2017/2160-B
173	CHEMICAL- WATER	Surface Water	Temperature	APHA 23rd Edition (2550B)
174	CHEMICAL- WATER	Surface Water	Total Acidity as CaCO3	APHA 23rd Edition (2310-B)
175	CHEMICAL- WATER	Surface Water	Total Alkalinity as CaCO3	APHA 23rd Edition (2320-B)
176	CHEMICAL- WATER	Surface Water	Total dissolved solids	APHA 23rd Edition (2540-C)
177	CHEMICAL- WATER	Surface Water	Total Hardness as CaCO3	APHA 23rd Edition (2340-C)
178	CHEMICAL- WATER	Surface Water	Total solids	APHA 23rd Edition (2540-B)
179	CHEMICAL- WATER	Surface Water	Total Suspended solids	APHA 23rd Edition (2540-D)
180	CHEMICAL- WATER	Surface Water	Turbidity	APHA 23rd Edition (2130-B)
181	CHEMICAL- WATER	Surface Water	Vanadium as V	APHA,23rd Edition 2017/3500-V-B
182	CHEMICAL- WATER	Surface Water	Zinc as Zn	APHA, 23rd Edition 2017/3500-Zn-B
183	CHEMICAL- WATER	Water for construction purpose	Chloride	IS 3025 (Part 32)-1988
184	CHEMICAL- WATER	Water for construction purpose	Inorganic Solids	IS 3025 (Part 18) 1984
185	CHEMICAL- WATER	Water for construction purpose	Organic Solids	IS 3025 (Part 18) - 1984
186	CHEMICAL- WATER	Water for construction purpose	pH @ 25C	APHA 23rd edition 2017/4500-H+ B
187	CHEMICAL- WATER	Water for construction purpose	Sulfates	IS 3025 (Part-24)-1986
188	CHEMICAL- WATER	Water for construction purpose	Total Suspended Solids	IS 3025 (Part 17)-1984
189	CHEMICAL- WATER	Water for Swimming Pool	Chloride as Cl	APHA, 23rd Edition 2017/4500 Cl-B
190	CHEMICAL- WATER	Water for Swimming Pool	Color	APHA, 23rd Edition 2017/2120-B

SCOPE OF ACCREDITATION

Laboratory Name :	JAGNATH LAB TECHNOLOGIES, 5-6/B, NAYANJYOT CHAMBERS, FIRST FLOOR, GONDAL, RAJKOT, GUJARAT, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
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Validity	17/03/2022 to 16/03/2024	**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
191	CHEMICAL- WATER	Water for Swimming Pool	Iron as Fe	APHA, 23rd edition 2017/ 3500-Fe-B
192	CHEMICAL- WATER	Water for Swimming Pool	odor	APHA, 23rd edition 2017/2150-B
193	CHEMICAL- WATER	Water for Swimming Pool	pH	APHA, 23rd edition 2017/4500-H+ B
194	CHEMICAL- WATER	Water for Swimming Pool	Taste	APHA 23rd Edition 2017/2160-B
195	CHEMICAL- WATER	Water for Swimming Pool	Total Alkalinity as CaCO3	APHA, 23rd Edition 2017/2320-B
196	CHEMICAL- WATER	Water for Swimming Pool	Total Dissolved Solids	APHA, 23rd Edition 2017/2540-C
197	CHEMICAL- WATER	Water for Swimming Pool	Total Residual Chlorine	APHA, 23rd Edition 2017/4500-Cl-B
198	CHEMICAL- WATER	Water for Swimming Pool	Turbidity	APHA, 23rd Edition, 2017/2120-B