National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : NARAYANA LABORATORY AND CONSULTANCY, JUNGLE HAKIM NO-1, JAIL BYPASS ROAD, GORAKHPUR, UTTAR PRADESH, 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	Sulphur Dioxide (SO2)	IS 5182 P-2
2	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Ammonia (NH3)	IS:5182 Part 25
3	CHEMICAL- ATMOSPHERIC POLLUTION	ambient air	Nitrogen Oxide (NO2)	IS 5182 (P-6)
4	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Ozone (O3)	IS : 5182 (P-9)
5	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Air	Particulate Matter (PM 2.5)	IS : 5182 (P-24)
6	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient air	Particulate matter (PM10)	IS 5182 (Part 23)
7	CHEMICAL- ATMOSPHERIC POLLUTION	Ambient Noise	Lmax, Lmin, Leq, L10,L50, L90	IS 9876
8	CHEMICAL- ATMOSPHERIC POLLUTION	Stack emission	Carbon dioxide (CO2)	IS : 13270
9	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Carbon monoxide (CO)	IS : 13270
10	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Oxide of Nitrogen (NOX)	IS : 11255 (P-7)
11	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Oxygen (O2)	IS : 13270
12	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Particular Matter (PM)	IS : 5182 (P-1)
13	CHEMICAL- ATMOSPHERIC POLLUTION	Stack Emission	Sulphur Dioxide (SO2)	IS 11255 (P-2)
14	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent water	Biochemical Oxygen Demand	IS: 3025 Part-44
15	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent water	Chemical Oxygen Demand	IS: 3025 Part-58
16	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent water	Colour	IS 3025 Part-4
17	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent water	Odour	IS 3025 Part-5
18	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent water	Oil & Grease	IS 3025 Part-11

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19	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent water	pH Value	IS 3025 Part-11
20	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent water	Total Dissolved Solids (Filterable residue)	IS 3025 Part-16
21	CHEMICAL- POLLUTION & ENVIRONMENT	Effluent water	Total suspended Solids, (Non-filterable residue)	IS 3025 Part-17
22	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Water Content	IS 2720 (Part-2)
23	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Available Nitrogen	NLC/STP/CHE/S/13
24	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Available Potassium	NLC/STP/CHE/S/08
25	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Available Sodium	NLC/STP/CHE/S/08
26	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Chloride	NLC/STP/CHE/S/09
27	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Conductivity	IS 14767
28	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Exchangeable calcium	NLC/STP/CHE/S/06
29	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Organic matter	IS 2720 (Part-22)
30	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	pH value	IS 2720 (Part-26)
31	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Sodium Absorption Ratio	NLC/CHE/S/13
32	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Soluble Sulphate	IS 2720 (Part-27)
33	CHEMICAL- POLLUTION & ENVIRONMENT	Soil	Total Kjeldhal Nitrogen	IS 14684
34	CHEMICAL- WATER	Drinking Water	Acidity as CaCO3	IS 3025 Part-22
35	CHEMICAL- WATER	Drinking Water	Ammonical Nitrogen	IS 3025:Part-34
36	CHEMICAL- WATER	Drinking Water	Bicarbonate	IS 3025 Part-51
37	CHEMICAL- WATER	Drinking Water	Boron(as B)	IS 3025:Part-57
38	CHEMICAL- WATER	Drinking Water	Calcium (as Ca)	IS 3025:Part-40
39	CHEMICAL- WATER	Drinking Water	Carbonate	IS 3025:Part-51

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40	CHEMICAL- WATER	Drinking Water	Chloride (as Cl)	IS 3025 Part-32
41	CHEMICAL- WATER	Drinking Water	Chlorine, Residual	IS 3025:Part-26
42	CHEMICAL- WATER	Drinking Water	Chromium (Hexavalent)	IS 3025 Part-52
43	CHEMICAL- WATER	Drinking Water	Colour	IS 3025 Part-4
44	CHEMICAL- WATER	Drinking Water	Conductivity	IS 3025 Part-14
45	CHEMICAL- WATER	Drinking Water	Dissolved Oxygen	IS 3025 Part-38
46	CHEMICAL- WATER	Drinking Water	Fluoride	APHA 23rd Edition 2017 4500-F-D.
47	CHEMICAL- WATER	Drinking Water	Inorganic Residue	IS 3025:Part-18
48	CHEMICAL- WATER	Drinking Water	Iron (as Fe)	IS 3025 Part-53
49	CHEMICAL- WATER	Drinking Water	Magnesium (as Mg)	IS 3025:Part-46
50	CHEMICAL- WATER	Drinking Water	Nitrate, Nitrogen (as NO3)	IS 3025 Part-34
51	CHEMICAL- WATER	Drinking Water	odour	IS 3025 (Part 5)
52	CHEMICAL- WATER	Drinking Water	Organic Residue	IS 3025:Part-18
53	CHEMICAL- WATER	Drinking Water	pH value	IS 3025 Part-11
54	CHEMICAL- WATER	Drinking Water	Phosphorus (as P)	IS 3025:Part-31
55	CHEMICAL- WATER	Drinking Water	Potassium (as K)	IS 3025:Part-45
56	CHEMICAL- WATER	Drinking Water	Silica (as Sio2)	IS 3025:Part-35
57	CHEMICAL- WATER	Drinking Water	Sodium (as Na)	IS 3025:Part-45
58	CHEMICAL- WATER	Drinking Water	Sulphate (as SO4)	IS 3025:Part-23
59	CHEMICAL- WATER	Drinking Water	Sulphide	IS 3025:Part-29
60	CHEMICAL- WATER	Drinking Water	Temprature	IS 3025:Part-9
61	CHEMICAL- WATER	Drinking Water	Total Alkalinity as CaCO3	IS 3025:Part-23
62	CHEMICAL- WATER	Drinking Water	Total Dissolved Solids (Filterable residue)	IS 3025:Part-16
63	CHEMICAL- WATER	Drinking Water	Total Hardness (as CaCO3)	IS 3025:Part-21
64	CHEMICAL- WATER	Drinking Water	Total Nitrogen	IS 3025:Part-34
65	CHEMICAL- WATER	Drinking Water	Total Residue, (Total solid – dissolved and suspended)	IS 3025:Part-15
66	CHEMICAL- WATER	Drinking Water	Total suspended Solids, (Non-filterable residue)	IS 3025:Part-17
67	CHEMICAL- WATER	Drinking Water	Turbidity	IS 3025:Part-10

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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
68	CHEMICAL- WATER	Ground water	Acidity (as CaCO3)	IS 3025:Part-22
69	CHEMICAL- WATER	Ground water	Alkalinity (as CaCO3)	IS 3025 Part-23
70	CHEMICAL- WATER	Ground water	Ammonical Nitrogen	IS 3025 Part-34
71	CHEMICAL- WATER	Ground water	Bicarbonate	IS 3025:Part-51
72	CHEMICAL- WATER	Ground water	Biochemical Oxygen Demand	IS 3025 Part-44
73	CHEMICAL- WATER	Ground water	Boron(as B)	IS 3025:Part-57
74	CHEMICAL- WATER	Ground water	Calcium (as Ca)	IS 3025 Part-40
75	CHEMICAL- WATER	Ground water	Carbonate	IS 3025:Part-51
76	CHEMICAL- WATER	Ground water	Chemical Oxygen Demand	IS 3025 Part-58
77	CHEMICAL- WATER	Ground water	Chloride	IS 3025:Part-32
78	CHEMICAL- WATER	Ground water	Chlorine, Residual	IS 3025:Part-26
79	CHEMICAL- WATER	Ground water	Chromium (Hexavalent)	IS 3025 Part-52
80	CHEMICAL- WATER	Ground water	Colour	IS 3025:Part-4
81	CHEMICAL- WATER	Ground water	Conductivity	IS 3025 Part-14
82	CHEMICAL- WATER	Ground water	Dissolved Oxygen	IS 3025 Part-38
83	CHEMICAL- WATER	Ground water	Fluoride	APHA 23rd Edition 2017 4500-F-D
84	CHEMICAL- WATER	Ground water	Inorganic Residue	IS 3025:Part-18
85	CHEMICAL- WATER	Ground water	Iron (as Fe)	IS 3025:Part-53
86	CHEMICAL- WATER	Ground water	Magnesium (as Mg)	IS 3025 Part-46
87	CHEMICAL- WATER	Ground water	Nitrate, Nitrogen(as N03)	IS 3025:Part-34
88	CHEMICAL- WATER	Ground water	Odour	IS 3025 (Part 5)
89	CHEMICAL- WATER	Ground water	Oil & Grease	IS 3025 Part-11
90	CHEMICAL- WATER	Ground water	Organic Residue	IS 3025:Part-18
91	CHEMICAL- WATER	Ground water	pH value	IS 3025 Part-11
92	CHEMICAL- WATER	Ground water	Phosphorus (as P)	IS 3025:Part-31
93	CHEMICAL- WATER	Ground water	Potassium (as K)	IS 3025 Part-45
94	CHEMICAL- WATER	Ground water	Silica (as Sio2)	IS 3025:Part-35
95	CHEMICAL- WATER	Ground water	Sodium (as Na)	IS 3025:Part-45
96	CHEMICAL- WATER	Ground water	Sulphide	IS 3025:Part-29
97	CHEMICAL- WATER	Ground water	Temprature	IS 3025:Part-9

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98	CHEMICAL- WATER	Ground water	Total Dissolved Solids (Filterable residue)	IS 3025 Part-16
99	CHEMICAL- WATER	Ground water	Total Hardness (as CaCO3)	IS 3025:Part-21
100	CHEMICAL- WATER	Ground water	Total Nitrogen	IS 3025:Part-34
101	CHEMICAL- WATER	Ground water	Total Residue, (Total solid – dissolved and suspended)	IS 3025:Part-15
102	CHEMICAL- WATER	Ground water	Total suspended Solids, (Non-filterable residue)	IS 3025 Part-17
103	CHEMICAL- WATER	Ground water	Turbidity	IS 3025 Part-10
104	CHEMICAL- WATER	Groundwater	Sulphate (as SO4)	IS 3025 Part-24
105	CHEMICAL- WATER	Irrigation Water	Boron(as B)	IS 3025:Part-57
106	CHEMICAL- WATER	Irrigation Water	Residual Sodium Carbonate	IS 11624
107	CHEMICAL- WATER	Irrigation Water	Sodium Absorption Ratio	IS 11624
108	CHEMICAL- WATER	Irrigation Water	Total Salt Concentration (as EC)	IS: 3025:Part-14
109	CHEMICAL- WATER	Packaged Drinking Water	Acidity (as CaCO3)	IS 3025:Part-22
110	CHEMICAL- WATER	Packaged Drinking Water	Alkalinity (as CaCO3)	IS 3025:Part-23
111	CHEMICAL- WATER	Packaged Drinking Water	Ammonical Nitrogen	IS 3025:Part-34
112	CHEMICAL- WATER	Packaged Drinking Water	Bicarbonate	IS 3025:Part-51
113	CHEMICAL- WATER	Packaged Drinking Water	Boron(as B)	IS 3025:Part-57
114	CHEMICAL- WATER	Packaged Drinking Water	Calcium (as Ca)	IS 3025:Part-40
115	CHEMICAL- WATER	Packaged Drinking Water	Carbonate	IS 3025:Part-51
116	CHEMICAL- WATER	Packaged Drinking Water	Chloride	IS 3025:Part-32
117	CHEMICAL- WATER	Packaged Drinking Water	Chlorine, Residual	IS 3025:Part-26
118	CHEMICAL- WATER	Packaged Drinking Water	Colour	IS 3025:Part-4
119	CHEMICAL- WATER	Packaged Drinking Water	Fluoride	APHA 23rd Edition 2017 4500-F-D
120	CHEMICAL- WATER	Packaged Drinking Water	Hexavalent Chromium	IS 3025:Part-52
121	CHEMICAL- WATER	Packaged Drinking Water	Inorganic Residue	IS 3025:Part-18
122	CHEMICAL- WATER	Packaged Drinking Water	Iron (as Fe)	IS 3025:Part-53
123	CHEMICAL- WATER	Packaged Drinking Water	Magnesium (as Mg)	IS 3025:Part-46
124	CHEMICAL- WATER	Packaged Drinking Water	Nitrate, Nitrogen(as N03)	IS 3025:Part-34

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125	CHEMICAL- WATER	Packaged Drinking Water	Organic Residue	IS 3025:Part-18
126	CHEMICAL- WATER	Packaged Drinking Water	pH Value	IS 3025:Part-11
127	CHEMICAL- WATER	Packaged Drinking Water	Phosphorus (as P)	IS 3025:Part-31
128	CHEMICAL- WATER	Packaged Drinking Water	Potassium (as K)	IS 3025:Part-45
129	CHEMICAL- WATER	Packaged Drinking Water	Silica (as Sio2)	IS 3025:Part-35
130	CHEMICAL- WATER	Packaged Drinking Water	Sodium (as Na)	IS 3025:Part-45
131	CHEMICAL- WATER	Packaged Drinking Water	Specific Conductivity	IS: 3025:Part-14
132	CHEMICAL- WATER	Packaged Drinking Water	Sulphate (as SO4)	IS 3025:Part-24
133	CHEMICAL- WATER	Packaged Drinking Water	Sulphide	IS 3025:Part-29
134	CHEMICAL- WATER	Packaged Drinking Water	Total Dissolved Solids (Filterable residue)	IS 3025:Part-16
135	CHEMICAL- WATER	Packaged Drinking Water	Total Hardness (as CaCO3)	IS 3025:Part-21:
136	CHEMICAL- WATER	Packaged Drinking Water	Total Nitrogen	IS 3025:Part-34
137	CHEMICAL- WATER	Packaged Drinking Water	Total Residue, (Total solid – dissolved and suspended)	IS 3025:Part-15
138	CHEMICAL- WATER	Packaged Drinking Water	Total suspended Solids, (Non-filterable residue)	IS 3025:Part-17
139	CHEMICAL- WATER	Packaged Drinking Water	Turbidity	IS 3025:Part-10
140	CHEMICAL- WATER	Reagent Grade water	Colour retention of KMNo4	IS 1070
141	CHEMICAL- WATER	Reagent grade water	pH Value	IS 3025:Part-11
142	CHEMICAL- WATER	Reagent Grade water	Silica (as Sio2)	IS 3025:Part-35
143	CHEMICAL- WATER	Reagent Grade water	Specific Conductivity	IS: 3025:Part-14
144	CHEMICAL- WATER	Surface water	Chromium (Hexavalent)	IS 3025 Part-52
145	CHEMICAL- WATER	Surface water	Acidity (as CaCO3)	IS 3025 Part-22
146	CHEMICAL- WATER	Surface water	Alkalinity (as CaCO3)	IS 3025 Part-23
147	CHEMICAL- WATER	Surface water	Ammonical Nitrogen	IS 3025 Part-34
148	CHEMICAL- WATER	Surface water	Bicarbonate	IS 3025 Part-51
149	CHEMICAL- WATER	Surface water	Biochemical Oxygen Demand	IS 3025 Part-44
150	CHEMICAL- WATER	Surface water	Boron(as B)	IS 3025:Part-57
151	CHEMICAL- WATER	Surface water	Calcium (as Ca)	IS 3025:Part-40
152	CHEMICAL- WATER	Surface water	Carbonate	IS 3025:Part-51
153	CHEMICAL- WATER	Surface water	Chemical Oxygen Demand	IS 3025 Part-58

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154	CHEMICAL- WATER	Surface water	Chloride	IS 3025:Part-32
155	CHEMICAL- WATER	Surface water	Chlorine, Residual	IS 3025:Part-26
156	CHEMICAL- WATER	Surface water	Colour	IS 3025:Part-4
157	CHEMICAL- WATER	Surface water	Conductivity	IS 3025 Part-14
158	CHEMICAL- WATER	Surface water	Dissolved Oxygen	IS 3025 Part-38
159	CHEMICAL- WATER	Surface water	Fluoride	APHA 23rd Edition 2017 4500-F-D
160	CHEMICAL- WATER	Surface water	Inorganic Residue	IS 3025:Part-18
161	CHEMICAL- WATER	Surface water	Iron (as Fe)	IS 3025 Part-53
162	CHEMICAL- WATER	Surface water	Magnesium (as Mg)	IS 3025:Part-46
163	CHEMICAL- WATER	Surface water	Nitrate, Nitrogen(as N03)	IS 3025:Part-34
164	CHEMICAL- WATER	Surface water	Odour	IS 3025 (Part 5)
165	CHEMICAL- WATER	Surface water	Oil & Grease	IS: 3025 Part-11
166	CHEMICAL- WATER	Surface water	Organic Residue	IS 3025:Part-18
167	CHEMICAL- WATER	surface water	pH Value	IS 3025 Part-11
168	CHEMICAL- WATER	Surface water	Phosphorus (as P)	IS 3025:Part-31
169	CHEMICAL- WATER	Surface water	Potassium (as K)	IS 3025:Part-45
170	CHEMICAL- WATER	Surface water	Residual Sodium Carbonate	IS 11624
171	CHEMICAL- WATER	Surface water	Silica (as Sio2)	IS 3025:Part-35
172	CHEMICAL- WATER	Surface water	Sodium (as Na)	IS 3025:Part-45
173	CHEMICAL- WATER	Surface water	Sodium Absorption Ratio	IS 11624
174	CHEMICAL- WATER	Surface water	Sulphate (as SO4)	IS 3025 Part-24
175	CHEMICAL- WATER	Surface water	Sulphide	IS 3025:Part-29
176	CHEMICAL- WATER	Surface water	Temperature	IS 3025:Part-9
177	CHEMICAL- WATER	Surface water	Total Dissolved Solids (Filterable residue)	IS 3025 Part-16
178	CHEMICAL- WATER	Surface water	Total Hardness (as CaCO3)	IS 3025:Part-21
179	CHEMICAL- WATER	Surface water	Total Nitrogen	IS 3025:Part-34
180	CHEMICAL- WATER	Surface water	Total Residue, (Total solid – dissolved and suspended)	IS 3025:Part-15
181	CHEMICAL- WATER	Surface water	Total suspended Solids, (Non-filterable residue)	IS 3025 Part-17

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182	CHEMICAL- WATER	Surface water	Turbidity	IS 3025 Part-10
183	CHEMICAL- WATER	Water for construction purpose	Acidity (as CaCO3)	IS 3025:Part-22
184	CHEMICAL- WATER	Water for construction purpose	Alkalinity	IS 3025:Part-23
185	CHEMICAL- WATER	Water for construction purpose	Chloride	IS 3025:Part-32
186	CHEMICAL- WATER	Water for construction purpose	Inorganic Residue	IS 3025:Part-18
187	CHEMICAL- WATER	Water for construction purpose	Organic Residue	IS 3025:Part-18
188	CHEMICAL- WATER	Water for construction purpose	pH Value	IS 3025:Part-11
189	CHEMICAL- WATER	Water for construction purpose	Sulphate(So4)	IS 3025:Part-24:
190	CHEMICAL- WATER	Water for construction purpose	Total suspended Solids, (Non-filterable residue)	IS 3025:Part-17
191	CHEMICAL- WATER	Water for Swimming Pool	Alkalinity (as CaCO3)	IS 3025:Part-23
192	CHEMICAL- WATER	Water for Swimming Pool	Chloride	IS 3025:Part-32
193	CHEMICAL- WATER	Water for Swimming Pool	Colour	IS 3025:Part-4
194	CHEMICAL- WATER	Water for Swimming Pool	Iron (as Fe)	IS 3025:Part-53
195	CHEMICAL- WATER	Water for Swimming Pool	Odour	IS 3025 (Part 5)
196	CHEMICAL- WATER	Water for Swimming Pool	Oxygen absorbed in 4 hours at 27°C,	IS 3025:Part-63
197	CHEMICAL- WATER	Water for Swimming Pool	pH Value	IS 3025:Part-11
198	CHEMICAL- WATER	Water for Swimming Pool	Total Dissolved Solids (Filterable residue)	IS 3025:Part-16
199	CHEMICAL- WATER	Water for Swimming Pool	Total Residual Chlorine	IS 3025:Part-26
200	CHEMICAL- WATER	Water for Swimming Pool	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.