National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : CUBE ENVIRONMENT LABORATORY, MODULE 6C, BLOCK C, 6TH FLOOR, IIT MADRAS RESEARCH PARK, KANAGAM ROAD, THARAMANI, CHENNAI, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

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Validity 11/03/2021 to 10/03/2023 **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- POLLUTION & ENVIRONMENT	Industrial & Domestic Raw Effluent/ Treated Effluent, waste water/ Raw & Treated/Sewage water/R.O. Reject Water/ Boiler Blow Down Water /Sea water	Ammonical Nitrogen as NH3- N	IS 3025 Part 34
2	CHEMICAL- POLLUTION & ENVIRONMENT	Industrial & Domestic Raw Effluent/ Treated Effluent, waste water/ Raw & Treated/Sewage water/R.O. Reject Water/ Boiler Blow Down Water /Sea water	Arsenic as As	APHA 23rd Edition : sec 3030 E,F ,K Sec 3113 B
3	CHEMICAL- POLLUTION & ENVIRONMENT	Industrial & Domestic Raw Effluent/ Treated Effluent, waste water/ Raw & Treated/Sewage water/R.O. Reject Water/ Boiler Blow Down Water /Sea water	Biochemical Oxygen Demand (BOD) at 27°C for 3 days	IS 3025 Part 44
4	CHEMICAL- POLLUTION & ENVIRONMENT	Industrial & Domestic Raw Effluent/ Treated Effluent, waste water/ Raw & Treated/Sewage water/R.O. Reject Water/ Boiler Blow Down Water /Sea water	Cadmium as Cd	APHA 23rd Edition :Sec 3030 E,F,K: 3111 B
5	CHEMICAL- POLLUTION & ENVIRONMENT	Industrial & Domestic Raw Effluent/ Treated Effluent, waste water/ Raw & Treated/Sewage water/R.O. Reject Water/ Boiler Blow Down Water /Sea water	Chemical Oxygen Demand (COD)	APHA 23rd Edition 5220 B Open reflux method
6	CHEMICAL- POLLUTION & ENVIRONMENT	Industrial & Domestic Raw Effluent/ Treated Effluent, waste water/ Raw & Treated/Sewage water/R.O. Reject Water/ Boiler Blow Down Water /Sea water	Chromium as Cr	APHA 23rd Edition: Sec 3030 E,F,K: 3111 B
7	CHEMICAL- POLLUTION & ENVIRONMENT	Industrial & Domestic Raw Effluent/ Treated Effluent, waste water/ Raw & Treated/Sewage water/R.O. Reject Water/ Boiler Blow Down Water /Sea water	Copper as Cu	APHA 23rd Edition :Sec 3030 E,F,K: 3111 B
8	CHEMICAL- POLLUTION & ENVIRONMENT	Industrial & Domestic Raw Effluent/ Treated Effluent, waste water/ Raw & Treated/Sewage water/R.O. Reject Water/ Boiler Blow Down Water /Sea water	Dissolved Oxygen	IS 3025 Part 38
9	CHEMICAL- POLLUTION & ENVIRONMENT	Industrial & Domestic Raw Effluent/ Treated Effluent, waste water/ Raw & Treated/Sewage water/R.O. Reject Water/ Boiler Blow Down Water /Sea water	Electrical Conductivity	IS 3025 Part 14
10	CHEMICAL- POLLUTION & ENVIRONMENT	Industrial & Domestic Raw Effluent/ Treated Effluent, waste water/ Raw & Treated/Sewage water/R.O. Reject Water/ Boiler Blow Down Water /Sea water	Fixed Solids	IS 3025 Part 18
11	CHEMICAL- POLLUTION & ENVIRONMENT	Industrial & Domestic Raw Effluent/ Treated Effluent, waste water/ Raw & Treated/Sewage water/R.O. Reject Water/ Boiler Blow Down Water /Sea water	Fluoride as F	APHA 23rd Edition: Sec 4500 F-D SPADNS METHOD
12	CHEMICAL- POLLUTION & ENVIRONMENT	Industrial & Domestic Raw Effluent/ Treated Effluent, waste water/ Raw & Treated/Sewage water/R.O. Reject Water/ Boiler Blow Down Water /Sea water	Free Ammonia as NH3	IS 3025 Part 34
13	CHEMICAL- POLLUTION & ENVIRONMENT	Industrial & Domestic Raw Effluent/ Treated Effluent, waste water/ Raw & Treated/Sewage water/R.O. Reject Water/ Boiler Blow Down Water /Sea water	Hexavalent Chromium as Cr6+	IS 3025 Part 52

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14	CHEMICAL- POLLUTION & ENVIRONMENT	Industrial & Domestic Raw Effluent/ Treated Effluent, waste water/ Raw & Treated/Sewage water/R.O. Reject Water/ Boiler Blow Down Water /Sea water	Iron as Fe	IS 3025 Part 53
15	CHEMICAL- POLLUTION & ENVIRONMENT	Industrial & Domestic Raw Effluent/ Treated Effluent, waste water/ Raw & Treated/Sewage water/R.O. Reject Water/ Boiler Blow Down Water /Sea water	Lead as Pb	APHA 23rd Edition: Sec 3030 E,F,K: 3111 B
16	CHEMICAL- POLLUTION & ENVIRONMENT	Industrial & Domestic Raw Effluent/ Treated Effluent, waste water/ Raw & Treated/Sewage water/R.O. Reject Water/ Boiler Blow Down Water /Sea water	Mercury as Hg	APHA 23rd Edition :Sec 3030 E,F,K: 3112 B
17	CHEMICAL- POLLUTION & ENVIRONMENT	Industrial & Domestic Raw Effluent/ Treated Effluent, waste water/ Raw & Treated/Sewage water/R.O. Reject Water/ Boiler Blow Down Water /Sea water	Nickel as Ni	APHA 23rd Edition :Sec 3030 E,F,K: 3111 B
18	CHEMICAL- POLLUTION & ENVIRONMENT	Industrial & Domestic Raw Effluent/ Treated Effluent, waste water/ Raw & Treated/Sewage water/R.O. Reject Water/ Boiler Blow Down Water /Sea water	Nitrate as No3	APHA 23rd Edition - 4500-NO3-B
19	CHEMICAL- POLLUTION & ENVIRONMENT	Industrial & Domestic Raw Effluent/ Treated Effluent, waste water/ Raw & Treated/Sewage water/R.O. Reject Water/ Boiler Blow Down Water /Sea water	Nitrite as No2	IS 3025 Part 34
20	CHEMICAL- POLLUTION & ENVIRONMENT	Industrial & Domestic Raw Effluent/ Treated Effluent, waste water/ Raw & Treated/Sewage water/R.O. Reject Water/ Boiler Blow Down Water /Sea water	Oil and Grease	IS 3025 Part 39
21	CHEMICAL- POLLUTION & ENVIRONMENT	Industrial & Domestic Raw Effluent/ Treated Effluent, waste water/ Raw & Treated/Sewage water/R.O. Reject Water/ Boiler Blow Down Water /Sea water	pH at 25°C	IS 3025 Part 11
22	CHEMICAL- POLLUTION & ENVIRONMENT	Industrial & Domestic Raw Effluent/ Treated Effluent, waste water/ Raw & Treated/Sewage water/R.O. Reject Water/ Boiler Blow Down Water /Sea water	Phenolic Compounds as C6H5OH	IS 3025 Part 43 (Without Chloroform Extraction)
23	CHEMICAL- POLLUTION & ENVIRONMENT	Industrial & Domestic Raw Effluent/ Treated Effluent, waste water/ Raw & Treated/Sewage water/R.O. Reject Water/ Boiler Blow Down Water /Sea water	Potassium as K	IS 3025 Part 45
24	CHEMICAL- POLLUTION & ENVIRONMENT	Industrial & Domestic Raw Effluent/ Treated Effluent, waste water/ Raw & Treated/Sewage water/R.O. Reject Water/ Boiler Blow Down Water /Sea water	Settleable Matter	IS 3025 Part 19
25	CHEMICAL- POLLUTION & ENVIRONMENT	Industrial & Domestic Raw Effluent/ Treated Effluent, waste water/ Raw & Treated/Sewage water/R.O. Reject Water/ Boiler Blow Down Water /Sea water	Silica as SiO2	IS 3025 Part 35
26	CHEMICAL- POLLUTION & ENVIRONMENT	Industrial & Domestic Raw Effluent/ Treated Effluent, waste water/ Raw & Treated/Sewage water/R.O. Reject Water/ Boiler Blow Down Water /Sea water	Sludge Volume Index	APHA 23rd Edition Sec.2710 C & D
27	CHEMICAL- POLLUTION & ENVIRONMENT	Industrial & Domestic Raw Effluent/ Treated Effluent, waste water/ Raw & Treated/Sewage water/R.O. Reject Water/ Boiler Blow Down Water /Sea water	Sodium as Na	IS 3025 Part 45

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28	CHEMICAL- POLLUTION & ENVIRONMENT	Industrial & Domestic Raw Effluent/ Treated Effluent, waste water/ Raw & Treated/Sewage water/R.O. Reject Water/ Boiler Blow Down Water /Sea water	Sulphates as SO4	APHA 23rd Edition: SO4 :4500 E: (Turbidimetric method)
29	CHEMICAL- POLLUTION & ENVIRONMENT	Industrial & Domestic Raw Effluent/ Treated Effluent, waste water/ Raw & Treated/Sewage water/R.O. Reject Water/ Boiler Blow Down Water /Sea water	Temperature °C	IS 3025 Part 9
30	CHEMICAL- POLLUTION & ENVIRONMENT	Industrial & Domestic Raw Effluent/ Treated Effluent, waste water/ Raw & Treated/Sewage water/R.O. Reject Water/ Boiler Blow Down Water /Sea water	Total Dissolved Solids	IS 3025 Part 16
31	CHEMICAL- POLLUTION & ENVIRONMENT	Industrial & Domestic Raw Effluent/ Treated Effluent, waste water/ Raw & Treated/Sewage water/R.O. Reject Water/ Boiler Blow Down Water /Sea water	Total Kjeldahl Nitrogen as N	IS 3025 Part 34
32	CHEMICAL- POLLUTION & ENVIRONMENT	Industrial & Domestic Raw Effluent/ Treated Effluent, waste water/ Raw & Treated/Sewage water/R.O. Reject Water/ Boiler Blow Down Water /Sea water	Total Phosphate as PO4	IS 3025 Part 31
33	CHEMICAL- POLLUTION & ENVIRONMENT	Industrial & Domestic Raw Effluent/ Treated Effluent, waste water/ Raw & Treated/Sewage water/R.O. Reject Water/ Boiler Blow Down Water /Sea water	Total Solids	IS 3025 Part 15
34	CHEMICAL- POLLUTION & ENVIRONMENT	Industrial & Domestic Raw Effluent/ Treated Effluent, waste water/ Raw & Treated/Sewage water/R.O. Reject Water/ Boiler Blow Down Water /Sea water	Total suspended Solids	IS 3025 Part 17
35	CHEMICAL- POLLUTION & ENVIRONMENT	Industrial & Domestic Raw Effluent/ Treated Effluent, waste water/ Raw & Treated/Sewage water/R.O. Reject Water/ Boiler Blow Down Water /Sea water	Turbidity	IS 3025 Part 10
36	CHEMICAL- POLLUTION & ENVIRONMENT	Industrial & Domestic Raw Effluent/ Treated Effluent, waste water/ Raw & Treated/Sewage water/R.O. Reject Water/ Boiler Blow Down Water /Sea water	Volatile Solids	IS 3025 Part 18
37	CHEMICAL- POLLUTION & ENVIRONMENT	Industrial & Domestic Raw Effluent/ Treated Effluent, waste water/ Raw & Treated/Sewage water/R.O. Reject Water/ Boiler Blow Down Water /Sea water	Zinc as Zn	APHA 23rd Edition: Sec 3030 E,F,K: 3111 B
38	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments /Sludge/Slit	Arsenic as As	USEPA 3050 B, USEPA 7000 B
39	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments /Sludge/Slit	Available Phosphorous (as P)	CEL/SOP/SOIL/001 Issue No 1 (Based on Food and Agriculture organization of the United Nation Rome: 2007)
40	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments /Sludge/Slit	Available Potassium	CEL/SOP/SOIL/003 (Based on FAO of United Nation Rome:2007)
41	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments /Sludge/Slit	Available Sodium	CEL/SOP/SOIL/002 (Based on FAO of United Nation Rome:2007)

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42	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments /Sludge/Slit	Cadmium as Cd	USEPA 3050 B, USEPA 7000 B
43	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments /Sludge/Slit	Chloride (as Cl-)	CEL/SOP/SOIL/004 Issue No1 (Based on Food and Agriculture organization of the United nation Rome:
44	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments /Sludge/Slit	Copper as Cu	USEPA 3050 B, USEPA 7000 B
45	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments /Sludge/Slit	Electrical Conductivity@ 25 Deg C	IS 14767
46	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments /Sludge/Slit	Lead as Pb	USEPA 3050 B, USEPA 7000 B
47	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments /Sludge/Slit	Loss on Ignition	IS 2720 Part 22
48	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments /Sludge/Slit	Mercury as Hg	USEPA 3050 B, USEPA 7000 B
49	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments /Sludge/Slit	Nickel as Ni	USEPA 3050 B, USEPA 7000 B
50	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments /Sludge/Slit	pH @ 25 Deg C	IS 2720 Part 26
51	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments /Sludge/Slit	Total Chromium	USEPA 3050 B, USEPA 7000 B
52	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments /Sludge/Slit	Total Kjeldhal Nitrogen (as N)	IS 14684
53	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments /Sludge/Slit	Total Nitrogen (as NH3-N)	IS 14684
54	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments /Sludge/Slit	Water content	IS 2720 Part 2
55	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments /Sludge/Slit	Water holding capacity	CEL/SOP/SOIL/005 Issue No 01 based on Soil Testing Procedure Manual 2008, Marathwada Agricultural University
56	CHEMICAL- POLLUTION & ENVIRONMENT	Soil/Sediments /Sludge/Slit	Zinc as Zn	USEPA 3050 B, USEPA 7000 B
57	CHEMICAL- POLLUTION & ENVIRONMENT	Solid Waste	Ammoniacal Nitrogen	IS 10158
58	CHEMICAL- POLLUTION & ENVIRONMENT	Solid Waste	Non Volatile matter	IS 10158

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59	CHEMICAL- POLLUTION & ENVIRONMENT	Solid Waste	pH @ 25 Deg C	IS 10158
60	CHEMICAL- POLLUTION & ENVIRONMENT	Solid Waste	Total Kjeldahl nitrogen as N	IS 10158
61	CHEMICAL- POLLUTION & ENVIRONMENT	Solid Waste	Volatile matter/ Loss in mass at 600°C	IS 10158
62	CHEMICAL- WATER	Borewell Water/Surface Water/Lake Water/Pond Water/Tap Water	Ammonia as NH3	IS 3025 Part 34
63	CHEMICAL- WATER	Borewell Water/Surface Water/Lake Water/Pond Water/Tap Water	Arsenic as As	APHA 23rd Edition : 3030 E, F & 3113 B
64	CHEMICAL- WATER	Borewell Water/Surface Water/Lake Water/Pond Water/Tap Water	Cadmium as Cd	APHA 23rd Edition : 3030 E, F & 3113 B
65	CHEMICAL- WATER	Borewell Water/Surface Water/Lake Water/Pond Water/Tap Water	Calcium as Ca	IS 3025 Part 40
66	CHEMICAL- WATER	Borewell Water/Surface Water/Lake Water/Pond Water/Tap Water	Chloride as Cl	IS 3025 Part 32
67	CHEMICAL- WATER	Borewell Water/Surface Water/Lake Water/Pond Water/Tap Water	Colour	IS 3025 Part 4
68	CHEMICAL- WATER	Borewell Water/Surface Water/Lake Water/Pond Water/Tap Water	Copper as Cu	APHA 23rd Edition : 3030 E, F & 3113 B
69	CHEMICAL- WATER	Borewell Water/Surface Water/Lake Water/Pond Water/Tap Water	Electrical Conductivity	IS 3025 Part 14
70	CHEMICAL- WATER	Borewell Water/Surface Water/Lake Water/Pond Water/Tap Water	Fluroide as F	APHA 23rd Edition: Sec 4500 F-D SPADNS METHOD
71	CHEMICAL- WATER	Borewell Water/Surface Water/Lake Water/Pond Water/Tap Water	Hexavalent Chromium as Cr6+	IS 3025 Part 52
72	CHEMICAL- WATER	Borewell Water/Surface Water/Lake Water/Pond Water/Tap Water	Iron as Fe	IS 3025 Part 53
73	CHEMICAL- WATER	Borewell Water/Surface Water/Lake Water/Pond Water/Tap Water	Lead as Pb	APHA 23rd Edition : 3030 E, F & 3113 B
74	CHEMICAL- WATER	Borewell Water/Surface Water/Lake Water/Pond Water/Tap Water	Magnesium as Mg	IS 3025 Part 46
75	CHEMICAL- WATER	Borewell Water/Surface Water/Lake Water/Pond Water/Tap Water	Mercury as Hg	APHA 23rd Edition : 3112 B
76	CHEMICAL- WATER	Borewell Water/Surface Water/Lake Water/Pond Water/Tap Water	Nickel as Ni	APHA 23rd Edition : 3030 E, F & 3113 B
77	CHEMICAL- WATER	Borewell Water/Surface Water/Lake Water/Pond Water/Tap Water	Nitrate as No3	APHA 23rd Edition - 4500-NO3-B: 2017:

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78	CHEMICAL- WATER	Borewell Water/Surface Water/Lake Water/Pond Water/Tap Water	Nitrite as NO2	IS 3025 Part 34
79	CHEMICAL- WATER	Borewell Water/Surface Water/Lake Water/Pond Water/Tap Water	Odour	IS 3025 part 5
80	CHEMICAL- WATER	Borewell Water/Surface Water/Lake Water/Pond Water/Tap Water	pH @ 25 Deg C	IS 3025 Part 11
81	CHEMICAL- WATER	Borewell Water/Surface Water/Lake Water/Pond Water/Tap Water	Residual free Chlorine	IS 3025 Part 26
82	CHEMICAL- WATER	Borewell Water/Surface Water/Lake Water/Pond Water/Tap Water	Salinity	APHA 23rd Edition : 2520 B
83	CHEMICAL- WATER	Borewell Water/Surface Water/Lake Water/Pond Water/Tap Water	Settleable matter	IS 3025 Part 19 :
84	CHEMICAL- WATER	Borewell Water/Surface Water/Lake Water/Pond Water/Tap Water	Silica as SiO2	IS 3025 Part 35
85	CHEMICAL- WATER	Borewell Water/Surface Water/Lake Water/Pond Water/Tap Water	Sodium as Na	IS 3025 Part 45
86	CHEMICAL- WATER	Borewell Water/Surface Water/Lake Water/Pond Water/Tap Water	Sulphate as So4(2-)	APHA 23rd Edition :SO4 :4500 E :Turbidimetric method
87	CHEMICAL- WATER	Borewell Water/Surface Water/Lake Water/Pond Water/Tap Water	Temperature	IS 3025 Part 9
88	CHEMICAL- WATER	Borewell Water/Surface Water/Lake Water/Pond Water/Tap Water	Total Acidity as CaCO3	IS 3025 Part 22
89	CHEMICAL- WATER	Borewell Water/Surface Water/Lake Water/Pond Water/Tap Water	Total Alkalinity as CaCo3	IS 3025 Part 23
90	CHEMICAL- WATER	Borewell Water/Surface Water/Lake Water/Pond Water/Tap Water	Total Chromium as Cr	APHA 23rd Edition : 3030 E, F & 3113 B
91	CHEMICAL- WATER	Borewell Water/Surface Water/Lake Water/Pond Water/Tap Water	Total dissolved solids	IS 3025 Part 16
92	CHEMICAL- WATER	Borewell Water/Surface Water/Lake Water/Pond Water/Tap Water	Total Hardness as CaCo3	IS 3025 Part 21
93	CHEMICAL- WATER	Borewell Water/Surface Water/Lake Water/Pond Water/Tap Water	Total Phosphate as Po4	IS 3025 Part 31
94	CHEMICAL- WATER	Borewell Water/Surface Water/Lake Water/Pond Water/Tap Water	Total solids	IS 3025 Part 15
95	CHEMICAL- WATER	Borewell Water/Surface Water/Lake Water/Pond Water/Tap Water	Total Suspended solids	IS 3025 Part 17
96	CHEMICAL- WATER	Borewell Water/Surface Water/Lake Water/Pond Water/Tap Water	Turbidity	IS 3025 Part 10

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97	CHEMICAL- WATER	Borewell Water/Surface Water/Lake Water/Pond Water/Tap Water	Zinc as Zn	APHA 23rd Edition : 3030 E, F & 3113 B
98	CHEMICAL- WATER	Drinking Water/Packaged Drinking Water/Natural Mineral Water/RO Water	Ammonia (as total ammonia-N)	IS 3025 Part 34]
99	CHEMICAL- WATER	Drinking Water/Packaged Drinking Water/Natural Mineral Water/RO Water	Arsenic as As	APHA 23rd Edition : sec 3030 E,F Sec 3113 B
100	CHEMICAL- WATER	Drinking Water/Packaged Drinking Water/Natural Mineral Water/RO Water	Cadmium as Cd	APHA 23rd Edition :Sec 3030 E,F, - 3113 B
101	CHEMICAL- WATER	Drinking Water/Packaged Drinking Water/Natural Mineral Water/RO Water	Calcium as Ca	IS 3025 Part 40
102	CHEMICAL- WATER	Drinking Water/Packaged Drinking Water/Natural Mineral Water/RO Water	Chloride as Cl	IS 3025 Part 32
103	CHEMICAL- WATER	Drinking Water/Packaged Drinking Water/Natural Mineral Water/RO Water	Colour	IS 3025 Part 4
104	CHEMICAL- WATER	Drinking Water/Packaged Drinking Water/Natural Mineral Water/RO Water	Copper as Cu	APHA 23rd Edition : 3030 E,F & 3113 B
105	CHEMICAL- WATER	Drinking Water/Packaged Drinking Water/Natural Mineral Water/RO Water	Electrical Conductivity	IS 3025 Part 14
106	CHEMICAL- WATER	Drinking Water/Packaged Drinking Water/Natural Mineral Water/RO Water	Fixed Solids	IS 3025 Part 18
107	CHEMICAL- WATER	Drinking Water/Packaged Drinking Water/Natural Mineral Water/RO Water	Fluoride as F	APHA 23rd Edition: Sec 4500 F- D SPADNS METHOD
108	CHEMICAL- WATER	Drinking Water/Packaged Drinking Water/Natural Mineral Water/RO Water	Hexavalent Chromium as Cr6+	IS 3025 Part 52
109	CHEMICAL- WATER	Drinking Water/Packaged Drinking Water/Natural Mineral Water/RO Water	Iron as Fe	IS 3025 Part 53
110	CHEMICAL- WATER	Drinking Water/Packaged Drinking Water/Natural Mineral Water/RO Water	Lead as Pb	APHA 23rd Edition :Sec 3030 E,F, - 3113 B
111	CHEMICAL- WATER	Drinking Water/Packaged Drinking Water/Natural Mineral Water/RO Water	Magnesium as Mg	IS 3025 Part 46
112	CHEMICAL- WATER	Drinking Water/Packaged Drinking Water/Natural Mineral Water/RO Water	Mercury as Hg	APHA 23rd Edition: 3112 B
113	CHEMICAL- WATER	Drinking Water/Packaged Drinking Water/Natural Mineral Water/RO Water	Nitrate as NO3	APHA 23rd Edition - 4500-NO3- B
114	CHEMICAL- WATER	Drinking Water/Packaged Drinking Water/Natural Mineral Water/RO Water	Nitrite as NO2	IS 3025 Part 34
115	CHEMICAL- WATER	Drinking Water/Packaged Drinking Water/Natural Mineral Water/RO Water	Odour	IS 3025 : Part 5

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116	CHEMICAL- WATER	Drinking Water/Packaged Drinking Water/Natural Mineral Water/RO Water	pH at 25 Deg C	IS 3025 Part 11
117	CHEMICAL- WATER	Drinking Water/Packaged Drinking Water/Natural Mineral Water/RO Water	Phosphate as PO4	IS 3025 Part 31
118	CHEMICAL- WATER	Drinking Water/Packaged Drinking Water/Natural Mineral Water/RO Water	Residual Free Chlorine	IS 3025 Part 26
119	CHEMICAL- WATER	Drinking Water/Packaged Drinking Water/Natural Mineral Water/RO Water	Salinity	APHA 23rd Edition :2520 B
120	CHEMICAL- WATER	Drinking Water/Packaged Drinking Water/Natural Mineral Water/RO Water	Settleable matter	IS 3025 Part 19
121	CHEMICAL- WATER	Drinking Water/Packaged Drinking Water/Natural Mineral Water/RO Water	Silica as SiO2	IS 3025 Part 35
122	CHEMICAL- WATER	Drinking Water/Packaged Drinking Water/Natural Mineral Water/RO Water	Sodium as Na	IS 3025 Part 45
123	CHEMICAL- WATER	Drinking Water/Packaged Drinking Water/Natural Mineral Water/RO Water	Sulphate as SO4(2-)	APHA 23rd Edition :SO4: 4500 E: Turbidimetric method
124	CHEMICAL- WATER	Drinking Water/Packaged Drinking Water/Natural Mineral Water/RO Water	Taste	IS 3025 Part 7
125	CHEMICAL- WATER	Drinking Water/Packaged Drinking Water/Natural Mineral Water/RO Water	Temperature	IS 3025 Part 9
126	CHEMICAL- WATER	Drinking Water/Packaged Drinking Water/Natural Mineral Water/RO Water	Total Acidity as CaCO3	IS 3025 Part 22
127	CHEMICAL- WATER	Drinking Water/Packaged Drinking Water/Natural Mineral Water/RO Water	Total Alkalinity as CaCO3	IS 3025 Part 23
128	CHEMICAL- WATER	Drinking Water/Packaged Drinking Water/Natural Mineral Water/RO Water	Total Chromium as Cr	APHA 23rd Edition : 3030 E, F & 3113 B
129	CHEMICAL- WATER	Drinking Water/Packaged Drinking Water/Natural Mineral Water/RO Water	Total Dissolved Solids	IS 3025 Part 16
130	CHEMICAL- WATER	Drinking Water/Packaged Drinking Water/Natural Mineral Water/RO Water	Total Hardness as CaCO3	IS 3025 Part 21
131	CHEMICAL- WATER	Drinking Water/Packaged Drinking Water/Natural Mineral Water/RO Water	Total solids	IS 3025 Part 15
132	CHEMICAL- WATER	Drinking Water/Packaged Drinking Water/Natural Mineral Water/RO Water	Total Suspended solids	IS 3025 Part 17
133	CHEMICAL- WATER	Drinking Water/Packaged Drinking Water/Natural Mineral Water/RO Water	Turbidity	IS 3025 Part 10
134	CHEMICAL- WATER	Drinking Water/Packaged Drinking Water/Natural Mineral Water/RO Water	Volatile solids	IS 3025 Part 18

SCOPE OF ACCREDITATION

Laboratory Name : CUBE ENVIRONMENT LABORATORY, MODULE 6C, BLOCK C, 6TH FLOOR, IIT MADRAS RESEARCH PARK, KANAGAM ROAD, THARAMANI, CHENNAI, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-9323 **Page No** 9 of 10

Validity 11/03/2021 to 10/03/2023 **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
135	CHEMICAL- WATER	Drinking Water/Packaged Drinking Water/Natural Mineral Water/RO Water	Zinc as Zn	APHA 23rd Edition : 3030 E, F & 3113 B
136	CHEMICAL- WATER	Drinking Water/Packaged Drinking Water/NaturalMineral Water/RO Water	Nickel as Ni	APHA 23rd Edition :Sec 3030 E,F, 3113 B
137	CHEMICAL- WATER	Reagent Grade Water	Color retention of KMnO4	IS 1070 (Annex A)
138	CHEMICAL- WATER	Reagent Grade Water	pH@25 Deg C	IS 3025 Part 11
139	CHEMICAL- WATER	Reagent Grade Water	Silica as SiO2	IS 3025 Part 35
140	CHEMICAL- WATER	Reagent Grade Water	Specific Conductivity	IS 3025 Part 14
141	CHEMICAL- WATER	Reagent Grade Water	Total Solids	IS 3025 Part 15
142	CHEMICAL- WATER	Water for construction purpose	Chloride as Cl	IS 3025 Part 32
143	CHEMICAL- WATER	Water for construction purpose	Inorganic Solids	IS 3025 Part 18
144	CHEMICAL- WATER	Water for construction purpose	Organic Solids	IS 3025 Part 18
145	CHEMICAL- WATER	Water for construction purpose	pH@ 25 Deg C	IS 3025 Part 11
146	CHEMICAL- WATER	Water for construction purpose	Sulphate as So4	APHA 23rd Edition :So4 :4500 E :Turbidimetric method
147	CHEMICAL- WATER	Water for construction purpose	Suspended matter (TSS)	IS 3025 Part 17
148	CHEMICAL- WATER	Water for construction purpose	To neutralize 100 ml sample of water, using phenolphthalein against 0.02 N NaOH	IS 3025 Part 22
149	CHEMICAL- WATER	Water for construction purpose	To neutralize 100 ml sample of water, using Mixed Indicator against 0.02 N H2SO4	IS 3025 Part 23
150	CHEMICAL- WATER	Water for construction purpose	Total Dissolved Solids	IS 3025 Part 16
151	CHEMICAL- WATER	Water for Swimming Pool	Chloride as Cl	IS 3025 Part 32
152	CHEMICAL- WATER	Water for Swimming Pool	Colour	IS 3025 Part 4
153	CHEMICAL- WATER	Water for Swimming Pool	Iron as Fe	IS 3025 Part 53-
154	CHEMICAL- WATER	Water for Swimming Pool	Lead	APHA 23rd Edition : 3030 E, F & 3113 B
155	CHEMICAL- WATER	Water for Swimming Pool	Odour	IS 3025 Part 5
156	CHEMICAL- WATER	Water for Swimming Pool	Oxygen absorbed in 4Hrs at 27 Deg C	IS 3025 Part 38
157	CHEMICAL- WATER	Water for Swimming Pool	pH@25 Deg C	IS 3025 Part 11
158	CHEMICAL- WATER	Water for Swimming Pool	Residual free chlorine	IS 3025 Part 26
159	CHEMICAL- WATER	Water for Swimming Pool	Taste	IS 3025 part 7

SCOPE OF ACCREDITATION

Laboratory Name :	CUBE ENVIRONMENT LABORATORY, MODULE 6C, BLOCK C, 6TH FLOOR, IIT MADRAS RESEARCH PARK, KANAGAM ROAD, THARAMANI, CHENNAI, TAMIL NADU, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-9323	**Page No**	10 of 10
Validity	11/03/2021 to 10/03/2023	**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
160	CHEMICAL- WATER	Water for Swimming Pool	Total Alkalinity as CaCo3	IS 3025 Part 23
161	CHEMICAL- WATER	Water for Swimming Pool	Total Dissolved Solids	IS 3025 Part 16
162	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.