



# National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



## SCOPE OF ACCREDITATION

Laboratory Name SWASTI ENVIRO SOLUTIONS PVT LTD, PLOT NO. J-86, BHARATHI STREET, PARI NAGAR, JAFFERKHANPET, ASHOK NAGAR, CHENNAI, TAMIL NADU , INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5192 Page No. : 1 / 12

Validity 12/04/2019 to 11/04/2021 Last Amended on -

S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
<b>Permanent Facility</b>					
1	CHEMICAL-ATMOSPHERIC POLLUTION	Ambient Air Monitoring	Ammonia (as NH <sub>3</sub> )	SOP A06 Issue No: 01/: Date:01.04.2015	10 µg/m <sup>3</sup> to 400 µg/m <sup>3</sup>
2	CHEMICAL-ATMOSPHERIC POLLUTION	Ambient Air Monitoring	Nitrogen dioxide (as NO <sub>2</sub> )	IS 5182 (Part 06): 2006	6 µg/m <sup>3</sup> to 100 µg/m <sup>3</sup>
3	CHEMICAL-ATMOSPHERIC POLLUTION	Ambient Air Monitoring	Particulate Matter less than 2.5 micron size (PM <sub>2.5</sub> )	SOP A02 Issue No.01 /: Date: 04.01.2018	10 µg/m <sup>3</sup> to 200 µg/m <sup>3</sup>
4	CHEMICAL-ATMOSPHERIC POLLUTION	Ambient Air Monitoring	Sulphur Dioxide (as SO <sub>2</sub> )	IS 5182 (Part 02): 2001	5 µg/m <sup>3</sup> to 100 µg/m <sup>3</sup>
5	CHEMICAL-ATMOSPHERIC POLLUTION	Ambient Air Monitoring	Particulate Matter less than 10 micron size (PM <sub>10</sub> )	IS 5182 (Part 23): 2006	5.0 µg/m <sup>3</sup> to 1000.0 µg/m <sup>3</sup>
6	CHEMICAL-ATMOSPHERIC POLLUTION	Noise Level Measurement	Stationary Source Noise Level (LA)	IS 9989: 2001	30 dB(A) to 130 dB(A)
7	CHEMICAL-ATMOSPHERIC POLLUTION	Stack Emission Monitoring	Carbon Dioxide (as CO <sub>2</sub> )	IS 13270: 2003	1 % to 20 %
8	CHEMICAL-ATMOSPHERIC POLLUTION	Stack Emission Monitoring	Carbon Monoxide (as CO)	IS 13270: 2003	1 % to 10 %
9	CHEMICAL-ATMOSPHERIC POLLUTION	Stack Emission Monitoring	Oxides of Nitrogen(as NO <sub>x</sub> )	IS 11255 (Part 7): 2005	6 mg/ Nm <sup>3</sup> to 200 mg/ Nm <sup>3</sup>



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10	CHEMICAL-ATMOSPHERIC POLLUTION	Stack Emission Monitoring	Oxygen (as O <sub>2</sub> )	IS 13270: 2003	1 % to 25 %
11	CHEMICAL-ATMOSPHERIC POLLUTION	Stack Emission Monitoring	Particulate Matter	IS 11255 (Part 01): 2003	5 mg/ Nm <sup>3</sup> to 500 mg/ Nm <sup>3</sup>
12	CHEMICAL-ATMOSPHERIC POLLUTION	Stack Emission Monitoring	Sulphur Dioxide (as SO <sub>2</sub> )	IS 11255 (Part 2) : 2003	4 mg/ Nm <sup>3</sup> to 400 mg/ Nm <sup>3</sup>
13	CHEMICAL-ATMOSPHERIC POLLUTION	Work Environment and Indoor Air Quality	Ammonia (as NH <sub>3</sub> )	NIOSH 4th Edition Method No:6015: -1994	0.5 mg/m <sup>3</sup> to 50 mg/m <sup>3</sup>
14	CHEMICAL-ATMOSPHERIC POLLUTION	Work Environment and Indoor Air Quality	Nitrogen dioxide (as NO <sub>2</sub> )	NIOSH 4th edition Method No: 6014: - 1994	1 mg/m <sup>3</sup> to 50 mg/m <sup>3</sup>
15	CHEMICAL-ATMOSPHERIC POLLUTION	Work Environment and Indoor Air Quality	Respirable Aerosol mass	NIOSH 4th Edition Method No. 0600 -: 1998	1 mg/m <sup>3</sup> to 50 mg/m <sup>3</sup>
16	CHEMICAL-ATMOSPHERIC POLLUTION	Work Environment and Indoor Air Quality	Total Aerosol mass	NOISH 4th Edition Method No: 0500 -: 1994	1 mg/m <sup>3</sup> to 50 mg/m <sup>3</sup>
17	CHEMICAL-POLLUTION & ENVIRONMENT	Waste Water	Electrical Conductivity	IS 3025 (Part 14) : 2013	2 µS/cm to 50000 µS/cm
18	CHEMICAL-POLLUTION & ENVIRONMENT	Waste Water	pH at 25°C	IS 3025 (Part 11) : 2012	2.0 to 12.0



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<b>Permanent Facility</b>					
19	CHEMICAL-POLLUTION & ENVIRONMENT	Waste Water	Suspended Solids	IS 3025 (Part 17) : 2012	5 mg/L to 1000 mg/L
20	CHEMICAL-POLLUTION & ENVIRONMENT	Waste Water	Total Dissolved Solids (TDS)	IS 3025 (Part 16) : 2012	5 mg/L to 35000 mg/L
21	CHEMICAL-POLLUTION & ENVIRONMENT	Waste Water	Turbidity	IS 3025 (Part 10): 2012	0.5 NTU to 400.0 NTU
22	CHEMICAL-POLLUTION & ENVIRONMENT	Waste Water, Effluent & Sewage	Ammonical Nitrogen	IS 3025 (Part 34) : 2014	1 mg/L to 1000 mg/L
23	CHEMICAL-POLLUTION & ENVIRONMENT	Waste Water, Effluent & Sewage	Biochemical oxygen demand (BOD)	IS 3025 (Part 44) : 2014	2 mg/L to 10000 mg/L
24	CHEMICAL-POLLUTION & ENVIRONMENT	Waste Water, Effluent & Sewage	Boron as B	IS 3025 (Part 57) : 2010	0.1 mg/L to 10 mg/L
25	CHEMICAL-POLLUTION & ENVIRONMENT	Waste Water, Effluent & Sewage	Calcium as Ca	IS 3025 (Part 40) : 2014	1 mg/L to 5000 mg/L
26	CHEMICAL-POLLUTION & ENVIRONMENT	Waste Water, Effluent & Sewage	Chemical Oxygen Demand (COD)	IS 3025 (Part 58) 2012 5220 B APHA 23rd Edition: 2017	4 mg/L to 50000 mg/L
27	CHEMICAL-POLLUTION & ENVIRONMENT	Waste Water, Effluent & Sewage	Chloride as Cl-	IS 3025 (Part 32,2) : 2014	2 mg/L to 5000 mg/L



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<b>Permanent Facility</b>					
28	CHEMICAL-POLLUTION & ENVIRONMENT	Waste Water, Effluent & Sewage	Copper as Cu	IS 3025 (Part 42,5) : 2014	0.02 mg/L to 5 mg/L
29	CHEMICAL-POLLUTION & ENVIRONMENT	Waste Water, Effluent & Sewage	Dissolved Oxygen	IS 3025 (Part 38,4) : 2014	1.0 mg/L to 10 mg/L
30	CHEMICAL-POLLUTION & ENVIRONMENT	Waste Water, Effluent & Sewage	Dissolved Phosphate as P	IS 3025 (Part 31) : 2014	0.1 mg/L to 50 mg/L
31	CHEMICAL-POLLUTION & ENVIRONMENT	Waste Water, Effluent & Sewage	Free Ammonia as NH <sub>3</sub>	IS 3025 (Part 34) : 2014	0.1 mg/L to 50 mg/L
32	CHEMICAL-POLLUTION & ENVIRONMENT	Waste Water, Effluent & Sewage	Hexavalent chromium as Cr <sup>6+</sup>	IS 3025 (Part 52,6) : 2014	0.05 mg/L to 10 mg/L
33	CHEMICAL-POLLUTION & ENVIRONMENT	Waste Water, Effluent & Sewage	Iron as Fe	IS 3025 (Part 53,6) : 2014	0.01 mg/L to 20 mg/L
34	CHEMICAL-POLLUTION & ENVIRONMENT	Waste Water, Effluent & Sewage	Magnesium as Mg	IS 3025 (Part 46) : 2014	1 mg/L to 3000 mg/L
35	CHEMICAL-POLLUTION & ENVIRONMENT	Waste Water, Effluent & Sewage	Oil & Grease	IS 3025 (Part 39,7): 2014	2 mg/L to 1000 mg/L
36	CHEMICAL-POLLUTION & ENVIRONMENT	Waste Water, Effluent & Sewage	Potassium as K	IS 3025 (Part 45,5) : 2014	1 mg/L to 500 mg/L



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<b>Permanent Facility</b>					
37	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water, Effluent & Sewage	Silica	IS 3025 (Part 35,3) : 2014	0.02 mg/L to 100 mg/L
38	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water, Effluent & Sewage	Sodium as Na	IS 3025 (Part 45,5) : 2014	2 mg/L to 1000 mg/L
39	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water, Effluent & Sewage	Sulphates as SO <sub>4</sub> <sup>2-</sup>	IS 3025 (Part 24) 2014 4500 SO <sub>4</sub> <sup>2-</sup> E APHA 23rd Edition: 2017	1 mg/L to 5000 mg/L
40	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water, Effluent & Sewage	Temperature	IS 3025 (Part 9): 2006	1 °C to 100 °C
41	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water, Effluent & Sewage	Total hardness as CaCO <sub>3</sub>	IS 3025 (Part 21) : 2014	1 mg/L to 5000 mg/L
42	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water, Effluent & Sewage	Total Kjeldahl Nitrogen	IS 3025 (Part 34) : 2014	1 mg/L to 2000 mg/L
43	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water, Effluent & Sewage	Total Residual chlorine as Cl <sup>-</sup>	IS 3025 (Part 26,3): 2014	0.2 mg/L to 100.0 mg/L
44	CHEMICAL- WATER	Bore water, Well water	Biochemical oxygen demand (BOD)	IS 3025 (Part 44) : 2014	2 mg/L to 10000 mg/L
45	CHEMICAL- WATER	Bore water, Well water	Calcium as Ca	IS 3025 (Part 40) : 2014	1 mg/L to 1200 mg/L
46	CHEMICAL- WATER	Bore Water, Well Water	Calcium hardness as CaCO <sub>3</sub>	3500 Ca B APHA 23rd Edition : 2017	1 mg/L to 3000 mg/L



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<b>Permanent Facility</b>					
47	CHEMICAL- WATER	Bore water, Well water	Calcium hardness as CaCO <sub>3</sub>	3500 Ca B APHA 23rd Edition: 2017	1 mg/L to 3000 mg/L
48	CHEMICAL- WATER	Bore water, Well water	Chloride as Cl <sup>-</sup>	IS 3025 (Part 32,2) : 2014	2 mg/L to 5000 mg/L
49	CHEMICAL- WATER	Bore water, Well water	Dissolved Oxygen	IS 3025 (Part 38,4) : 2014	1 mg/L to 10 mg/L
50	CHEMICAL- WATER	Bore Water, Well Water	Electrical Conductivity	IS 3025 (Part 14) : 2013	2 µS/cm to 15000 µS/cm
51	CHEMICAL- WATER	Bore water, Well water	Fluoride as F <sup>-</sup>	4500 F- D APHA 23rd Edition : 2017	0.1 mg/L to 50 mg/L
52	CHEMICAL- WATER	Bore water, Well water	Iron as Fe	IS 3025 (Part 53,6) : 2014	0.01 mg/L to 20 mg/L
53	CHEMICAL- WATER	Bore water, Well water	Magnesium as Mg	3500 Mg B APHA APHA 23rd Edition: 2017	1 mg/L to 720 mg/L
54	CHEMICAL- WATER	Bore water, Well water	Magnesium hardness as CaCO <sub>3</sub>	3500 Mg B APHA 23rd Edition: 2017	1 mg/L to 2000 mg/L
55	CHEMICAL- WATER	Bore Water, Well Water	Oil & Grease	IS 3025 (Part 39,7) : 2014	2 mg/L to 100 mg/L
56	CHEMICAL- WATER	Bore Water, Well Water	pH at 25°C	IS 3025 (Part 11) : 2012	2 to 12
57	CHEMICAL- WATER	Bore water, Well water	Potassium as K	IS 3025 (Part 45,5) : 2014	1 mg/L to 100 mg/L
58	CHEMICAL- WATER	Bore water, Well water	Silica	IS 3025 (Part 35,3) : 2014	0.02 mg/L to 100 mg/L
59	CHEMICAL- WATER	Bore water, Well water	Sodium as Na	IS 3025 (Part 45,5) : 2014	2 mg/L to 200 mg/L



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<b>Permanent Facility</b>					
60	CHEMICAL- WATER	Bore water, Well water	Sulphates as SO42-	4500 SO42- E APHA 23rd Edition: 2017	1 mg/L to 5000 mg/L
61	CHEMICAL- WATER	Bore Water, Well Water	Suspended Solids	IS 3025 (Part 17) : 2012	5 mg/L to 500 mg/L
62	CHEMICAL- WATER	Bore water, Well water	Total Alkalinity as CaCO3	IS 3025 (Part 23) : 2014	1 mg/L to 5000 mg/L
63	CHEMICAL- WATER	Bore Water, Well Water	Total Dissolved Solids (TDS)	IS 3025 (Part 16) : 2012	5 mg/L to 10000 mg/L
64	CHEMICAL- WATER	Bore Water, Well Water	Total hardness as CaCO3	IS 3025 (Part 21) : 2014	1 mg/L to 5000 mg/L
65	CHEMICAL- WATER	Bore water, Well water	Total Phosphate as P	IS 3025 (Part 31) : 2014	0.05 mg/L to 50 mg/L
66	CHEMICAL- WATER	Bore water, Well Water	Turbidity	IS 3025 (Part 10) : 2012	0.5 NTU to 200 NTU
67	CHEMICAL- WATER	Construction Water	Chloride as Cl-	IS 3025 (Part 32,2) : 2014	2 mg/L to 5000 mg/L
68	CHEMICAL- WATER	Construction Water	pH at 25°C	IS 3025 (Part 11) : 2012	2 to 12
69	CHEMICAL- WATER	Construction Water	Sulphates as SO42-	IS 3025 (Part 24) : 2014	1 mg/L to 5000 mg/L
70	CHEMICAL- WATER	Construction Water	Suspended Solids	IS 3025 (Part 17) : 2012	5 mg/L to 500 mg/L
71	CHEMICAL- WATER	Construction Water	Volatile and Fixed Residue	IS 3025 (Part 18) : 2012	5 to 10000
72	CHEMICAL- WATER	Drinking Water	Ammonical Nitrogen	IS 3025 (Part 34) : 2014	1 mg/L to 1000 mg/L



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<b>Permanent Facility</b>					
73	CHEMICAL- WATER	Drinking Water	Biochemical oxygen demand (BOD)	IS 3025 (Part 44) : 2014	2 mg/L to 10000 mg/L
74	CHEMICAL- WATER	Drinking Water	Boron as B	IS 3025 (Part 57) : 2010	0.1 mg/L to 10 mg/L
75	CHEMICAL- WATER	Drinking Water	Calcium as Ca	IS 3025 (Part 40) : 2014	1 mg/L to 1200 mg/L
76	CHEMICAL- WATER	Drinking Water	Calcium hardness as CaCO <sub>3</sub>	3500 Ca B APHA 23rd Edition: 2017	1 mg/L to 3000 mg/L
77	CHEMICAL- WATER	Drinking Water	Chloride as Cl <sup>-</sup>	IS 3025 (Part 32,2) : 2014	2 mg/L to 5000 mg/L
78	CHEMICAL- WATER	Drinking Water	Copper as Cu	IS 3025 (Part 42,5) : 2014	0.02 mg/L to 5 mg/L
79	CHEMICAL- WATER	Drinking Water	Dissolved Oxygen	IS 3025 (Part 38,4) : 2014	1.0 mg/L to 10 mg/L
80	CHEMICAL- WATER	Drinking Water	Electrical Conductivity	IS 3025 (Part 14) : 2013	2 μS/cm to 15000 μS/cm
81	CHEMICAL- WATER	Drinking Water	Fluoride as F <sup>-</sup>	IS 3025 (Part 60,5) 2013 4500 F D APHA 23rd Edition : 2017	0.1 mg/L to 50 mg/L
82	CHEMICAL- WATER	Drinking Water	Free Ammonia as NH <sub>3</sub>	IS 3025 (Part 34) : 2014	0.1 mg/L to 20 mg/L
83	CHEMICAL- WATER	Drinking Water	Hexavalent chromium as Cr <sup>6+</sup>	IS 3025 (Part 52,6) : 2014	0.05 mg/L to 10 mg/L
84	CHEMICAL- WATER	Drinking Water	Iron as Fe	IS 3025 (Part 53,6) : 2014	0.01 mg/L to 20 mg/L
85	CHEMICAL- WATER	Drinking Water	Magnesium as Mg	IS 3025 (Part 46,6) 2014 3500 Mg B APHA 23rd Edition: 2017	1 mg/L to 720 mg/L





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<b>Permanent Facility</b>					
86	CHEMICAL- WATER	Drinking Water	Magnesium hardness as CaCO <sub>3</sub>	3500 Mg B APHA 23rd Edition: 2017	1 mg/L to 2000 mg/L
87	CHEMICAL- WATER	Drinking Water	Nitrate Nitrogen as NO <sub>3</sub> -N	IS 3025 (Part 34) : 2014	0.5 mg/L to 200 mg/L
88	CHEMICAL- WATER	Drinking Water	Oil & Grease	IS 3025 (Part 39,7) : 2014	2 mg/L to 100 mg/L
89	CHEMICAL- WATER	Drinking Water	Potassium as K	IS 3025 (Part 45,5) : 2014	1 mg/L to 100 mg/L
90	CHEMICAL- WATER	Drinking Water	Silica	IS 3025 (Part 35,3) : 2014	0.02 mg/L to 100 mg/L
91	CHEMICAL- WATER	Drinking Water	Sodium as Na	IS 3025 (Part 45,5) : 2014	2 mg/L to 200 mg/L
92	CHEMICAL- WATER	Drinking Water	Sulphates as SO <sub>4</sub> <sup>2-</sup>	IS 3025 (Part 24) 2014 4500 SO <sub>4</sub> <sup>2-</sup> E APHA 23rd Edition : 2017	1 mg/L to 5000 mg/L
93	CHEMICAL- WATER	Drinking Water	Suspended Solids	IS 3025 (Part 17) : 2012	5 mg/L to 500 mg/L
94	CHEMICAL- WATER	Drinking Water	Temperature	IS 3025 (Part 9) : 2006	1 °C to 100 °C
95	CHEMICAL- WATER	Drinking Water	Total Acidity as CaCO <sub>3</sub>	IS 3025 (Part 22) : 2014	1 mg/L to 100 mg/L
96	CHEMICAL- WATER	Drinking Water	Total Alkalinity as CaCO <sub>3</sub>	IS 3025 (Part 23) : 2014	1 mg/L to 5000 mg/L
97	CHEMICAL- WATER	Drinking Water	Total Dissolved Solids (TDS)	IS 3025 (Part 16) : 2012	5 mg/L to 10000 mg/L
98	CHEMICAL- WATER	Drinking Water	Total hardness as CaCO <sub>3</sub>	IS 3025 (Part 21) : 2014	1 mg/L to 5000 mg/L



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99	CHEMICAL- WATER	Drinking Water	Total Phosphate as P	IS 3025 (Part 31) : 2014	0.05 mg/L to 50 mg/L
100	CHEMICAL- WATER	Drinking Water	Total Residual chlorine as Cl-	IS 3025 (Part 26,3) : 2014	0.2 mg/L to 50 mg/L
101	CHEMICAL- WATER	Drinking Water	Turbidity	IS 3025 (Part 10) : 2012	0.5 NTU to 200 NTU
102	CHEMICAL- WATER	Packaged Drinking Water	Calcium as Ca	IS 3025 (Part 40) : 2014	1 mg/L to 1200 mg/L
103	CHEMICAL- WATER	Packaged Drinking Water	Calcium hardness as CaCO <sub>3</sub>	3500 Ca B APHA 23rd Edition: 2017	1 mg/L to 3000 mg/L
104	CHEMICAL- WATER	Packaged Drinking Water	Chloride as Cl-	IS 3025 (Part 32,2) : 2014	2 mg/L to 5000 mg/L
105	CHEMICAL- WATER	Packaged Drinking Water	Dissolved Oxygen	IS 3025 (Part 38,4) : 2014	1.0 mg/L to 10.0 mg/L
106	CHEMICAL- WATER	Packaged Drinking Water	Electrical Conductivity	IS 3025 (Part 14) : 2013	2 µS/cm to 15000 µS/cm
107	CHEMICAL- WATER	Packaged Drinking Water	Fluoride as F-	IS 3025 (Part 60,5) : 2013	0.1 mg/L to 50 mg/L
108	CHEMICAL- WATER	Packaged Drinking Water	Iron as Fe	IS 3025 (Part 53,6) : 2014	0.01 mg/L to 20 mg/L
109	CHEMICAL- WATER	Packaged Drinking Water	Magnesium as Mg	IS 3025 (Part 46,6) : 2014	1 mg/L to 720 mg/L
110	CHEMICAL- WATER	Packaged Drinking Water	Magnesium hardness as CaCO <sub>3</sub>	3500 Mg B APHA 23rd Edition: 2017	1 mg/L to 2000 mg/L
111	CHEMICAL- WATER	Packaged Drinking Water	pH at 25°C	IS 3025 (Part 11) : 2012	2 to 12



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<b>Permanent Facility</b>					
112	CHEMICAL- WATER	Packaged Drinking Water	Silica	IS 3025 (Part 35,3) : 2014	0.02 mg/L to 100 mg/L
113	CHEMICAL- WATER	Packaged Drinking Water	Sulphates as SO <sub>4</sub> <sup>2-</sup>	IS 3025 (Part 24) : 2014	1 mg/L to 5000 mg/L
114	CHEMICAL- WATER	Packaged Drinking Water	Total Alkalinity as CaCO <sub>3</sub>	IS 3025 (Part 23) : 2014	1 mg/L to 5000 mg/L
115	CHEMICAL- WATER	Packaged Drinking Water	Total Dissolved Solids (TDS)	IS 3025 (Part 16) : 2012	5 mg/L to 10000 mg/L
116	CHEMICAL- WATER	Packaged Drinking Water	Total hardness as CaCO <sub>3</sub>	IS 3025 (Part 21) : 2014	1 mg/L to 5000 mg/L
117	CHEMICAL- WATER	Packaged Drinking Water	Total Residual chlorine as Cl <sup>-</sup>	IS 3025 (Part 26,3) : 2014	0.2 mg/L to 50 mg/L
118	CHEMICAL- WATER	Packaged Drinking Water	Total Suspended Solids	IS 3025 (Part 17) : 2012	5 mg/L to 500 mg/L
119	CHEMICAL- WATER	Packaged Drinking Water	Turbidity	IS 3025 (Part 10) : 2012	0.5 NTU to 200 NTU
120	CHEMICAL- WATER	Surface Water	Calcium as Ca	IS 3025 (Part 40) : 2014	1 mg/L to 1200 mg/L
121	CHEMICAL- WATER	Surface Water	Calcium hardness as CaCO <sub>3</sub>	3500 Ca B APHA 23rd Edition: 2017	1 mg/L to 3000 mg/L
122	CHEMICAL- WATER	Surface Water	Chloride as Cl <sup>-</sup>	IS 3025 (Part 32,2) : 2014	2 mg/L to 5000 mg/L
123	CHEMICAL- WATER	Surface water	Dissolved Oxygen	IS 3025 (Part 38,4) : 2014	1.0 mg/L to 10.0 mg/L
124	CHEMICAL- WATER	Surface Water	Electrical Conductivity	IS 3025 (Part 14) : 2013	2 µS/cm to 15000 µS/cm



# National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



## SCOPE OF ACCREDITATION

Laboratory Name SWASTI ENVIRO SOLUTIONS PVT LTD, PLOT NO. J-86, BHARATHI STREET, PARI NAGAR, JAFFERKHANPET, ASHOK NAGAR, CHENNAI, TAMIL NADU , INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5192 Page No. : 12 / 12

Validity 12/04/2019 to 11/04/2021 Last Amended on -

S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
<b>Permanent Facility</b>					
125	CHEMICAL- WATER	Surface Water	Fluoride as F-	4500 F- D APHA 23rd Edition : 2017	0.1 mg/L to 50 mg/L
126	CHEMICAL- WATER	Surface water	Iron as Fe	IS 3025 (Part 53,6) : 2014	0.01 mg/L to 20 mg/L
127	CHEMICAL- WATER	Surface Water	Magnesium as Mg	IS 3025 (Part 46,6) : 2014	1 mg/L to 720 mg/L
128	CHEMICAL- WATER	Surface Water	Magnesium hardness as CaCO <sub>3</sub>	3500 Mg B APHA 23rd Edition : 2017	1 mg/L to 2000 mg/L
129	CHEMICAL- WATER	Surface Water	pH at 25°C	IS 3025 (Part 11) : 2012	2 to 12
130	CHEMICAL- WATER	Surface Water	Sulphates as SO <sub>4</sub> <sup>2-</sup>	IS 3025 (Part 24) : 2014	1 mg/L to 5000 mg/L
131	CHEMICAL- WATER	Surface Water	Suspended Solids	IS 3025 (Part 17) : 2012	5 mg/L to 500 mg/L
132	CHEMICAL- WATER	Surface Water	Total Alkalinity as CaCO <sub>3</sub>	IS 3025 (Part 23) : 2014	1 mg/L to 5000 mg/L
133	CHEMICAL- WATER	Surface Water	Total Dissolved Solids (TDS)	IS 3025 (Part 16) : 2012	5 mg/L to 10000 mg/L
134	CHEMICAL- WATER	Surface water	Total hardness as CaCO <sub>3</sub>	IS 3025 (Part 21) : 2014	1 mg/L to 5000 mg/L
135	CHEMICAL- WATER	Surface Water	Turbidity	IS 3025 (Part 10) : 2012	0.5 NTU to 200 NTU

'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.'