



National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



SCOPE OF ACCREDITATION

Laboratory Name SONI GROUP OF TECHNOLOGIES - ENVIRONMENTAL TESTING LABORATORY,
125, KAMLA AMRUT INDUSTRIAL PARK, KADI, MEHSANA, GUJARAT , INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-8508 Page No. : 1 / 7

Validity 16/05/2019 to 15/05/2021 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
Permanent Facility					
1	CHEMICAL-ATMOSPHERIC POLLUTION	Ambient Air	Oxide of Nitrogen	IS 5182 Part 6 : 2006, RA: 2017	6 µg/m ³ to 750 µg/m ³
2	CHEMICAL-ATMOSPHERIC POLLUTION	Ambient Air	Particulate Matter PM 10	IS 5182 Part 23 : 2006 RA : 2017	10 µg/m ³ to 1000 µg/m ³
3	CHEMICAL-ATMOSPHERIC POLLUTION	Ambient Air	Particulate Matter PM 2.5	CPCB Guidelines: 2011	15 µg/m ³ to 200 µg/m ³
4	CHEMICAL-ATMOSPHERIC POLLUTION	Ambient Air	Sulphur Dioxide	IS 5182 Part 2 : 2001 RA : 2017	5 µg/m ³ to 1050 µg/m ³
5	CHEMICAL-ATMOSPHERIC POLLUTION	Stack Emission	Oxide of Nitrogen	IS 11255 Part 7 : 2005 RA : 2017	10 mg/Nm ³ to 2000 mg/Nm ³
6	CHEMICAL-ATMOSPHERIC POLLUTION	Stack Emission	Particulate Matter	IS 11255 Part 1 : 1985 RA : 2014	5 mg/Nm ³ to 5000 mg/Nm ³
7	CHEMICAL-ATMOSPHERIC POLLUTION	Stack Emission	Sulfur Dioxides	IS 11255 Part 2 : 1985 RA : 2014	1 mg/Nm ³ to 1000 mg/Nm ³
8	CHEMICAL-POLLUTION & ENVIRONMENT	Wastewater, Effluent Water, Sewage Water	Alkalinity as CaCO ₃	APHA 23rd Edition 2320 B: 2017	5 to 5000 mg/l
9	CHEMICAL-POLLUTION & ENVIRONMENT	Wastewater, Effluent Water, Sewage Water	Ammonical Nitrogen	APHA 23rd Edition 4500 NH ₃ C: 2017	0.3 to 1400 mg/l



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10	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater, Effluent Water, Sewage Water	Biochemical Oxygen Demand	IS 3025 Part 44 : 1993 RA : 2014	5 to 10000 mg/l
11	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater, Effluent Water, Sewage Water	Calcium as Ca ²⁺	APHA 23rd Edition 3500 Ca B: 2017	2 to 400 mg/l
12	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater, Effluent Water, Sewage Water	Calcium Hardness as CaCO ₃	APHA 23rd Edition 3500 Ca B: 2017	5 to 1000 mg/l
13	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater, Effluent Water, Sewage Water	Chemical Oxygen Demand	IS 3025 Part 58 : 2006, RA: 2017	4 to 50000 mg/l
14	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater, Effluent Water, Sewage Water	Chloride	IS 3025 Part 32 : 1988 RA : 2019	5 to 5000 mg/l
15	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater, Effluent Water, Sewage Water	Dissolved Oxygen	IS 3025 Part 38 : 1989 RA : 2014	0.5 to 15 mg/l
16	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater, Effluent Water, Sewage Water	Fluoride	APHA 23rd Edition 4500 F D: 2017	0.2 to 25 mg/l
17	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater, Effluent Water, Sewage Water	Iron	APHA 23rd Edition 3500 Fe B: 2017	0.1 to 100 mg/l
18	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater, Effluent Water, Sewage Water	Magnesium as Mg ²⁺	APHA 23rd Edition 3500 Mg B: 2017	1.5 to 250 mg/l
19	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater, Effluent Water, Sewage Water	Magnesium Hardness as CaCO ₃	APHA 23rd Edition 3500 Mg B: 2017	5 to 1000 mg/l



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20	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater, Effluent Water, Sewage Water	Oil & Grease	IS 3025 Part 39 : 1991 RA : 2014	1 to 100 mg/l
21	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater, Effluent Water, Sewage Water	pH	IS 3025 Part 11 : 1983 RA : 2017	2 to 12
22	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater, Effluent Water, Sewage Water	Phenol	APHA 23rd Edition 5530 D : 2017	0.01 to 100 mg/l
23	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater, Effluent Water, Sewage Water	Potassium	APHA 23rd Edition 3500 K B: 2017	5 to 1000 mg/l
24	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater, Effluent Water, Sewage Water	Sodium	APHA 23rd Edition 3500 Na B: 2017	5 to 1000 mg/l
25	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater, Effluent Water, Sewage Water	Sulphate	APHA 23rd Edition 4500 SO4-2 E: 2017	5 to 1000 mg/l
26	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater, Effluent Water, Sewage Water	Temperature	APHA 23rd Edition 2550 B: 2017	18 to 75 °C
27	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater, Effluent Water, Sewage Water	Total Dissolved Solids	APHA 23rd Edition 2540 C: 2017	10 to 100000 mg/l
28	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater, Effluent Water, Sewage Water	Total Hardness as CaCO ₃	APHA 23rd Edition 2340 C: 2017	10 to 10000 mg/l
29	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater, Effluent Water, Sewage Water	Total Solids	APHA 23rd Edition 2540 B: 2017	10 to 100000 mg/l



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30	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater, Effluent Water, Sewage Water	Total Suspended Solids	APHA 23rd Edition 2540 D : 2017	10 to 100000 mg/l
31	CHEMICAL- POLLUTION & ENVIRONMENT	Wastewater, Effluent Water, Sewage Water	Turbidity	APHA 23rd Edition 2130 B: 2017	1 to 1000 NTU
32	CHEMICAL- WATER	Ground Water, Potable Water, Drinking Water	Alkalinity as CaCO ₃	APHA 23rd Edition 2320 B: 2017	5 to 1000 mg/l
33	CHEMICAL- WATER	Ground Water, Potable Water, Drinking Water	Ammonical Nitrogen	APHA 23rd Edition 4500 NH ₃ C: 2017	0.3 to 50 mg/l
34	CHEMICAL- WATER	Ground Water, Potable Water, Drinking Water	Biochemical Oxygen Demand	IS 3025 Part 44 : 1993 RA : 2019	0.5 to 100 mg/l
35	CHEMICAL- WATER	Ground Water, Potable Water, Drinking Water	Calcium as Ca ⁺²	APHA 23rd Edition 3500 Ca B: 2017	2 to 200 mg/l
36	CHEMICAL- WATER	Ground Water, Potable Water, Drinking Water	Calcium Hardness as CaCO ₃	APHA 23rd Edition 3500 Ca B: 2017	5 to 500 mg/l
37	CHEMICAL- WATER	Ground Water, Potable Water, Drinking Water	Chemical Oxygen Demand	IS 3025 Part 58 RA: 2017	2.0 to 200 mg/l
38	CHEMICAL- WATER	Ground Water, Potable Water, Drinking Water	Chloride	IS 3025 Part 32 : 1988 RA: 2019	5 to 2000 mg/l
39	CHEMICAL- WATER	Ground Water, Potable Water, Drinking Water	Dissolved Oxygen	IS 3025 Part 38 : 1989 RA : 2014	0.5 to 15 mg/l
40	CHEMICAL- WATER	Ground Water, Potable Water, Drinking Water	Fluoride	APHA 23rd Edition 4500 F D: 2017	0.2 to 10 mg/l
41	CHEMICAL- WATER	Ground Water, Potable Water, Drinking Water	Iron	APHA 23rd Edition 3500 Fe B: 2017	0.1 to 50 mg/l
42	CHEMICAL- WATER	Ground Water, Potable Water, Drinking Water	Magnesium as Mg ⁺²	APHA 23rd Edition 3500 Mg B: 2017	1.5 to 50 mg/l



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43	CHEMICAL- WATER	Ground Water, Potable Water, Drinking Water	Magnesium Hardness as CaCO ₃	APHA 23rd Edition: 2017	5 to 200 mg/l
44	CHEMICAL- WATER	Ground Water, Potable Water, Drinking Water	Oil & Grease	IS 3025 Part 39 : 1991 RA : 2014	1 to 50 mg/l
45	CHEMICAL- WATER	Ground Water, Potable Water, Drinking Water	pH	IS 3025 Part 11 : 1983 RA : 2017	2 to 12
46	CHEMICAL- WATER	Ground Water, Potable Water, Drinking Water	Phenol	APHA 23rd Edition 5530 D: 2017	0.01 to 10 mg/l
47	CHEMICAL- WATER	Ground Water, Potable Water, Drinking Water	Potassium	APHA 23rd Edition 3500 K B: 2017	1 to 100 mg/l
48	CHEMICAL- WATER	Ground Water, Potable Water, Drinking Water	Sodium	APHA 23rd Edition 3500 Na B: 2017	5 to 1000 mg/l
49	CHEMICAL- WATER	Ground Water, Potable Water, Drinking Water	Sulphate	APHA 23rd Edition 4500 SO ₄ -2 E: 2017	5 to 400 mg/l
50	CHEMICAL- WATER	Ground Water, Potable Water, Drinking Water	Temperature	APHA 23rd Edition 2550 B: 2017	18 to 50 °C
51	CHEMICAL- WATER	Ground Water, Potable Water, Drinking Water	Total Dissolved Solids	APHA 23rd Edition 2540 C: 2017	10 to 5000 mg/l
52	CHEMICAL- WATER	Ground Water, Potable Water, Drinking Water	Total Hardness as CaCo ₃	APHA 23rd Edition 2340 C: 2017	5 to 500 mg/l
53	CHEMICAL- WATER	Ground Water, Potable Water, Drinking Water	Total Solids	APHA 23rd Edition 2540 B: 2017	10 to 5000 mg/l
54	CHEMICAL- WATER	Ground Water, Potable Water, Drinking Water	Total Suspended Solids	APHA 23rd Edition 2540 D : 2017	10 to 500 mg/l
55	CHEMICAL- WATER	Ground Water, Potable Water, Drinking Water	Turbidity	APHA 23rd Edition 2130 B: 2017	1 to 100 NTU



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Site Facility					
1	CHEMICAL-ATMOSPHERIC POLLUTION	Ambient Air	Oxide of Nitrogen	IS 5182 Part 6 : 2006, RA: 2017	6 µg/m ³ to 750 µg/m ³
2	CHEMICAL-ATMOSPHERIC POLLUTION	Ambient Air	Particulate Matter PM 10	IS 5182 Part 23 : 2006 RA : 2017	10 µg/m ³ to 1000 µg/m ³
3	CHEMICAL-ATMOSPHERIC POLLUTION	Ambient Air	Particulate Matter PM 2.5	CPCB Guidelines: 2011	15 µg/m ³ to 200 µg/m ³
4	CHEMICAL-ATMOSPHERIC POLLUTION	Ambient Air	Sulphur Dioxide	IS 5182 Part 2 : 2001 RA : 2017	5 µg/m ³ to 1050 µg/m ³
5	CHEMICAL-ATMOSPHERIC POLLUTION	Stack Emission	Oxide of Nitrogen	IS 11255 Part 7 : 2005 RA : 2017	10 mg/Nm ³ to 2000 mg/Nm ³
6	CHEMICAL-ATMOSPHERIC POLLUTION	Stack Emission	Particulate Matter	IS 11255 Part 1 : 1985 RA : 2014	5 mg/Nm ³ to 5000 mg/Nm ³
7	CHEMICAL-ATMOSPHERIC POLLUTION	Stack Emission	Sulfur Dioxides	IS 11255 Part 2 : 1985 RA : 2014	1 mg/Nm ³ to 1000 mg/Nm ³
8	CHEMICAL-POLLUTION & ENVIRONMENT	Wastewater, Effluent Water, Sewage Water	pH	IS 3025 Part 11 : 1983 RA : 2017	2 to 12
9	CHEMICAL-POLLUTION & ENVIRONMENT	Wastewater, Effluent Water, Sewage Water	Temperature	APHA 23rd Edition 2550 B: 2017	18 to 75 °C
10	CHEMICAL- WATER	Ground Water, Potable Water, Drinking Water	pH	IS 3025 Part 11 : 1983 RA : 2017	2 to 12



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11	CHEMICAL- WATER	Ground Water, Potable Water, Drinking Water	Temperature	APHA 23rd Edition 2550 B: 2017	18 to 50 °C