



National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



SCOPE OF ACCREDITATION

Laboratory Name MAX-WELL ENGINEERS (ANALYTICAL LABORATORY), 101, 303, GAJANAND CHAMBERS, VADODARA, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2005

Certificate Number TC-8194 Page No. : 1 / 6

Validity 14/12/2018 to 13/12/2020 Last Amended on -

'In view of the transition deadline for ISO/IEC 17025:2017, the validity of this accreditation certificate will cease on 30.11.2020.'

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 Quality	NOx	IS 5182 (Part 6): 2006	6 µg/m ³ to 120 µg/m ³
2	CHEMICAL-ATMOSPHERIC POLLUTION	Ambient Air Quality	PM10	IS 5182 (Part 23): 2006	10 µg/m ³ to 1000 µg/m ³
3	CHEMICAL-ATMOSPHERIC POLLUTION	Ambient Air Quality	PM2.5	SOP-28: 2018	10 µg/m ³ to 1000 µg/m ³
4	CHEMICAL-ATMOSPHERIC POLLUTION	AMBIENT AIR QUALITY	SO ₂	IS 5182 (Part 2): 2001	3.75 µg/m ³ to 120 µg/m ³
5	CHEMICAL-ATMOSPHERIC POLLUTION	Stack	NOx	IS 11255 (Part 7): 2005	0.1 mg/Nm ³ to 500 mg/Nm ³
6	CHEMICAL-ATMOSPHERIC POLLUTION	Stack	PM	IS 11255 (Part 1): 1985	5 mg/Nm ³ to 1000 mg/Nm ³
7	CHEMICAL-ATMOSPHERIC POLLUTION	Stack	SO ₂	IS 11255 (Part 2): 2003	0.2 mg/Nm ³ to 200 mg/Nm ³
8	CHEMICAL-POLLUTION & ENVIRONMENT	Waste Water (EFFLUENTS/SEWAGE)	Acidity	APHA 23rd Edition 2310 B: 2017	2 mg/L to 2500 mg/L
9	CHEMICAL-POLLUTION & ENVIRONMENT	Waste Water (EFFLUENTS/SEWAGE)	Alkalinity (Methyl Orange & Phenolphthalein)	APHA 23rd Edition 2320 B: 2017	2 mg/L to 2500 mg/L



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10	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (EFFLUENTS/SEWAG E)	Ammonical Nitrogen	APHA:(4500 NH ₃ -N C) 23rd Edition : 2017	0.10 mg/L to 50 mg/L
11	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (EFFLUENTS/SEWAG E)	BOD at 27 °C for 3 days	IS 3025 (Part 44): 2009	2 mg/L to 10000 mg/L
12	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (EFFLUENTS/SEWAG E)	Chlorides	APHA:4500 Cl ⁻ B 23rd Edition : 2017	2 mg/L to 2000 mg/L
13	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (EFFLUENTS/SEWAG E)	COD	APHA:5220 B 23rd Edition : 2017	4 mg/L to 6000 mg/L
14	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (EFFLUENTS/SEWAG E)	Dissolve Oxygen (D.O)	APHA 23rd Edition 4500-O C: 2017	0.2 mg/L to 10 mg/L
15	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (EFFLUENTS/SEWAG E)	Oil and Grease	APHA 23rd Edition 5520 D: 2017	1 mg/L to 1000 mg/L
16	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (EFFLUENTS/SEWAG E)	pH	APHA:4500-H+ B 23rd Edition: 2017	0 to 14.00
17	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (EFFLUENTS/SEWAG E)	Phenol	APHA 23rd Edition 5530 D: 2017	0.02 mg/L to 15 mg/L
18	CHEMICAL- POLLUTION & ENVIRONMENT	Waste Water (EFFLUENTS/SEWAG E)	Potassium	APHA 23rd Edition 3500-K B: 2017	0 mg/L to 100 mg/L



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44	CHEMICAL- WATER	Ground Water	Fluoride	APHA 23rd Edition 4500 F—D: 2017	0.2 mg/L to 10 mg/L
45	CHEMICAL- WATER	Ground Water	Magnesium Hardness	APHA 23rd Edition 3500 Mg B: 2017	2.0 mg/L to 500 mg/L
46	CHEMICAL- WATER	Ground Water	pH	APHA:4500-H+ B 23rd Edition: 2017	3 to 12
47	CHEMICAL- WATER	Ground Water	Potassium	APHA 23rd Edition 3500-K B.: 2017	5 mg/L to 100 mg/L
48	CHEMICAL- WATER	Ground Water	Sodium	APHA 23rd Edition 3500-Na B.: 2017	5 mg/L to 1000 mg/L
49	CHEMICAL- WATER	Ground Water	Sulphate	APHA 23rd Edition 4500 SO4 E: 2017	1.0 mg/L to 1000 mg/L
50	CHEMICAL- WATER	Ground Water	Total Alkalinity	APHA 23rd Edition 2320 B: 2017	2 mg/L to 2500 mg/L
51	CHEMICAL- WATER	Ground Water	Total Dissolved Solids	APHA:2540 C 23rd Edition: 2017	10 mg/L to 5000 mg/L
52	CHEMICAL- WATER	Ground Water	Total Hardness	APHA 23rd Edition 2340 C: 2017	2.0 mg/L to 1000 mg/L
53	CHEMICAL- WATER	Ground Water	Total Suspended Solids	APHA:2540 D 23rd Edition: 2017	5 mg/L to 1000 mg/L
54	CHEMICAL- WATER	Surface Water	Acidity	APHA 23rd Edition 2310 B: 2017	2 to 1000
55	CHEMICAL- WATER	Surface Water	BOD at 27 °C for 3 days	IS 3025 (Part 44): 2009	4 mg/L to 1000 mg/L
56	CHEMICAL- WATER	Surface Water	Chlorides	APHA:4500 Cl ⁻ B 23rd Edition: 2017	2 mg/L to 2000 mg/L
57	CHEMICAL- WATER	Surface Water	COD	IS 3025 (part 58): 2006	4 mg/L to 1000 mg/L

