# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

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

**Accreditation Standard** ISO/IEC 17025:2017

**Certificate Number** TC-8194 **Page No** 1 of 4

**Validity** 17/03/2022 to 16/03/2024 **Last Amended on** -

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|---|---|---|---|---|
| Permanent Facility | | | | |
| 1 | CHEMICAL- ATMOSPHERIC POLLUTION | Ambient air quality | NOx | IS 5182 (Part 6) |
| 2 | CHEMICAL- ATMOSPHERIC POLLUTION | Ambient air quality | PM 2.5 | USEPA quality assurance Handbook Vol. 2, Part 2 |
| 3 | CHEMICAL- ATMOSPHERIC POLLUTION | Ambient air quality | PM10 | IS 5182 (Part 23) |
| 4 | CHEMICAL- ATMOSPHERIC POLLUTION | Ambient air quality | PM2.5 | CPCB guidelines for measurement of ambient air pollutants Vol. 1 |
| 5 | CHEMICAL- ATMOSPHERIC POLLUTION | Ambient air quality | SO2 | IS 5182 (Part 2) |
| 6 | CHEMICAL- ATMOSPHERIC POLLUTION | Stack emission | NOx | IS 11255 (Part 7) |
| 7 | CHEMICAL- ATMOSPHERIC POLLUTION | stack emission | PM | IS 11255 (Part 1) |
| 8 | CHEMICAL- ATMOSPHERIC POLLUTION | stack emission | SO2 | IS 11255 (Part 2) |
| 9 | CHEMICAL- POLLUTION & ENVIRONMENT | Waste Water (Effluents/Sewage) | SAR (Sodium Absorption Ratio) | IS 11624 (Part 22) |
| 10 | CHEMICAL- POLLUTION & ENVIRONMENT | Waste Water (EFFLUENTS/SEWAGE) | Sodium | APHA 23rd Edition 3500-NaB |
| 11 | CHEMICAL- POLLUTION & ENVIRONMENT | Waste Water (Effluents/Sewage) | Sulfide | APHA 23rd Edition 4500 S2 F |
| 12 | CHEMICAL- POLLUTION & ENVIRONMENT | Waste Water (EFFLUENTS/SEWAGE) | Sulphate | APHA 23rd Edition 4500 SO4 E |
| 13 | CHEMICAL- POLLUTION & ENVIRONMENT | Waste Water (EFFLUENTS/SEWAGE) | Temperature | APHA 23rd Edition 2550 B |
| 14 | CHEMICAL- POLLUTION & ENVIRONMENT | Waste Water (EFFLUENTS/SEWAGE) | Total Dissolved Solids | APHA:2540 C 23rd Edition |
| 15 | CHEMICAL- POLLUTION & ENVIRONMENT | Waste Water (EFFLUENTS/SEWAGE) | Total Hardness | APHA 23rd Edition 2340 C |
| 16 | CHEMICAL- POLLUTION & ENVIRONMENT | Waste Water (EFFLUENTS/SEWAGE) | Total Suspended Solids | APHA:2540 D 23rd Edition |
| 17 | CHEMICAL- POLLUTION & ENVIRONMENT | Waste Water (Effluents/Sewage) | Turbidity | APHA 23rd Edition 2130 B |
| 18 | CHEMICAL- POLLUTION & ENVIRONMENT | Waste water(Effluents/Sewage) | Alkalinity (Methyl Orange & Phenolphthalein) | APHA 23rd Edition 2320 B |

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| 19 | CHEMICAL- POLLUTION & ENVIRONMENT | Waste water(Effluents/Sewage) | Chlorides | APHA:4500 ClÂ¯ B 23rd Edition |
| 20 | CHEMICAL- POLLUTION & ENVIRONMENT | Waste water(Effluents/Sewage) | COD | IS 3025 (Part 58) |
| 21 | CHEMICAL- POLLUTION & ENVIRONMENT | Waste water(Effluents/Sewage) | Acidity | APHA 23rd Edition 2310 B |
| 22 | CHEMICAL- POLLUTION & ENVIRONMENT | Waste water(Effluents/Sewage) | Ammonical Nitrogen | APHA:(4500 NH3-N B & C) 23rdEdition |
| 23 | CHEMICAL- POLLUTION & ENVIRONMENT | Waste water(Effluents/Sewage) | BOD at 27 Â°C for 3 days | IS 3025 (Part 44) |
| 24 | CHEMICAL- POLLUTION & ENVIRONMENT | Waste water(Effluents/Sewage) | Calcium as Ca+2 | APHA 23rd Edition 3500 Ca B |
| 25 | CHEMICAL- POLLUTION & ENVIRONMENT | Waste water(Effluents/Sewage) | Calcium Hardness | PHA 23rd Edition 3500 Ca B |
| 26 | CHEMICAL- POLLUTION & ENVIRONMENT | Waste water(Effluents/Sewage) | Conductivity | APHA 23rd Edition 2510 B |
| 27 | CHEMICAL- POLLUTION & ENVIRONMENT | Waste water(Effluents/Sewage) | Dissolve Oxygen (D.O) | IS 3025 (Part 38) |
| 28 | CHEMICAL- POLLUTION & ENVIRONMENT | Waste water(Effluents/Sewage) | Fluoride | APHA 23rd Edition 4500 F D |
| 29 | CHEMICAL- POLLUTION & ENVIRONMENT | Waste water(Effluents/Sewage) | Magnesium as Mg+2 | APHA 23rd Edition 3500 Mg B |
| 30 | CHEMICAL- POLLUTION & ENVIRONMENT | Waste water(Effluents/Sewage) | Magnesium Hardness | APHA 23rd Edition 3500 Mg B |
| 31 | CHEMICAL- POLLUTION & ENVIRONMENT | Waste water(Effluents/Sewage) | Oil and Grease | IS 3025 (Part 39) |
| 32 | CHEMICAL- POLLUTION & ENVIRONMENT | Waste water(Effluents/Sewage) | pH | APHA:4500-H+ B 23rd Edition |
| 33 | CHEMICAL- POLLUTION & ENVIRONMENT | Waste water(Effluents/Sewage) | Phenol | APHA 23rd Edition 5530 D |
| 34 | CHEMICAL- POLLUTION & ENVIRONMENT | Waste water(Effluents/Sewage) | Potassium | APHA 23rd Edition 3500-K B |
| 35 | CHEMICAL- POLLUTION & ENVIRONMENT | Waste water(Effluents/Sewage) | Residual Free Chlorine | APHA 23rd Edition 4500 Cl |
| 36 | CHEMICAL- WATER | Drinking Water | Acidity | IS 3025 (Part 22) |
| 37 | CHEMICAL- WATER | Drinking Water | Ammonical Nitrogen | APHA 23rd Edition 4500 NH3-N B & C |
| 38 | CHEMICAL- WATER | Drinking Water | BOD at 27 °C for 3 days | IS 3025 (Part 44) |

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| 39 | CHEMICAL- WATER | Drinking Water | Calcium as Ca+2 | APHA 23rd Edition 3500 Ca B |
| 40 | CHEMICAL- WATER | Drinking Water | Calcium Hardness | APHA 23rd Edition 3500 Ca B |
| 41 | CHEMICAL- WATER | Drinking Water | Chlorides | APHA:4500 $Cl^-$ B23rd Edition |
| 42 | CHEMICAL- WATER | Drinking Water | COD | IS 3025 ( part 58) |
| 43 | CHEMICAL- WATER | Drinking Water | Conductivity | APHA 23rd Edition 2510 B |
| 44 | CHEMICAL- WATER | Drinking Water | Dissolve Oxygen (D.O) | APHA 23rd Edition 4500-O C |
| 45 | CHEMICAL- WATER | Drinking Water | Fluoride | APHA 23rd Edition 4500 F B |
| 46 | CHEMICAL- WATER | Drinking Water | Magnesium as Mg+2 | APHA 23rd Edition 3500 Mg B |
| 47 | CHEMICAL- WATER | Drinking Water | Magnesium Hardness | APHA 23rd Edition 3500 Mg B |
| 48 | CHEMICAL- WATER | Drinking Water | pH | APHA:4500-H+ B 23rd Edition |
| 49 | CHEMICAL- WATER | Drinking Water | Potassium | APHA 23rd Edition 3500-K B. |
| 50 | CHEMICAL- WATER | Drinking Water | Sodium | APHA 23rd Edition 3500-NaB. |
| 51 | CHEMICAL- WATER | Drinking Water | Sulphate | APHA 23rd Edition 4500 SO4 E |
| 52 | CHEMICAL- WATER | Drinking Water | Total Alkalinity | APHA 23rd Edition 2320 B |
| 53 | CHEMICAL- WATER | Drinking Water | Total Dissolved Solids | APHA:2540 C 23rd Edition |
| 54 | CHEMICAL- WATER | Drinking Water | Total Hardness | APHA 23rd Edition 2340 C |
| 55 | CHEMICAL- WATER | Drinking Water | Total Suspended Solids | APHA:2540 D 23rd Edition |
| 56 | CHEMICAL- WATER | Drinking Water | Turbidity | APHA 23rd Edition 2130 B |
| 57 | CHEMICAL- WATER | Ground Water | Acidity | APHA 23rd Edition 2310 B |
| 58 | CHEMICAL- WATER | Ground Water | BOD | IS 3025 (Part 44) |
| 59 | CHEMICAL- WATER | Ground Water | Calcium as Ca+2 | APHA 23rd Edition 3500 Ca B |
| 60 | CHEMICAL- WATER | Ground Water | Calcium Hardness | Apha 23rd Edition 3500 Ca B |
| 61 | CHEMICAL- WATER | Ground Water | Chlorides | APHA:4500 $Cl^-$ B23rd Edition |
| 62 | CHEMICAL- WATER | Ground Water | COD | IS 3025 (Part 58) |
| 63 | CHEMICAL- WATER | Ground Water | Conductivity | APHA 23rd Edition 2510 B |
| 64 | CHEMICAL- WATER | Ground Water | D. O. (Dissolved Oxygen) | IS 3025 (Part 38) |
| 65 | CHEMICAL- WATER | Ground Water | Fluoride | APHA 23rd Edition 4500 F D |
| 66 | CHEMICAL- WATER | Ground Water | Magnesium as Mg+2 | APHA 23rd Edition 3500 Mg B |
| 67 | CHEMICAL- WATER | Ground Water | Magnesium Hardness | APHA 23rd Edition 3500 Mg B |
| 68 | CHEMICAL- WATER | Ground Water | pH | APHA 23rd Edition 4500 H B |

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| 70 | CHEMICAL- WATER | Ground Water | Sodium | APHA 23rd Edition 3500 Na B |
| 71 | CHEMICAL- WATER | Ground Water | Sulphate | APHA 23rd Edition 4500 SO4 E |
| 72 | CHEMICAL- WATER | Ground Water | Total Alkalinity | APHA 23rd Edition 2320 B |
| 73 | CHEMICAL- WATER | Ground Water | Total Dissolved Solids | APHA 23rd Edition 2540 C |
| 74 | CHEMICAL- WATER | Ground Water | Total Hardness | APHA 23rd Edition 2340 C |
| 75 | CHEMICAL- WATER | Ground Water | Total Suspended Solids | APHA 23rd Edition 2540 D |
| 76 | CHEMICAL- WATER | Ground Water | Turbidity | APHA 23rd Edition 2130 B |