# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

**Laboratory Name :** ENVIRONMENT TESTING LABORATORY OF RAMANS ENVIRO SERVICES PVT. LTD., SF-23 & 24, CAMPS CORNER, PRAHLADNAGAR, AHMEDABAD, GUJARAT, INDIA

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

**Certificate Number** TC-5091 **Page No** 1 of 6

**Validity** 10/01/2022 to 09/01/2024 **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- ATMOSPHERIC POLLUTION | Ambient Air | Ammonia as NH3 | SOP/AIR/05 Issue no 01 20.10.2016 |
| 2 | CHEMICAL- ATMOSPHERIC POLLUTION | Ambient Air | Chlorine as Cl2 | IS 5182 Part 19 |
| 3 | CHEMICAL- ATMOSPHERIC POLLUTION | Ambient Air | NO2 | IS 5182 Part 6 |
| 4 | CHEMICAL- ATMOSPHERIC POLLUTION | Ambient Air | SO2 | IS 5182 Part 2 |
| 5 | CHEMICAL- ATMOSPHERIC POLLUTION | Stack Emission | Ammonia | IS 1255 Part 6 |
| 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 | Soil | Available Nitrogen | SOP/SOL/10Methods Manual Soil Testing in india Dept. of Agriculture and cooperation ministry of agriculture |
| 10 | CHEMICAL- POLLUTION & ENVIRONMENT | Soil | Available Phosphorus | SOP/SOL/12Methods Manual Soil Testing in india Dept. of Agriculture and cooperation ministry of agriculture |
| 11 | CHEMICAL- POLLUTION & ENVIRONMENT | Soil | Available Potassium | SOP/SOL/11Methods Manual Soil Testing in india Dept. of Agriculture and cooperation ministry of agriculture |
| 12 | CHEMICAL- POLLUTION & ENVIRONMENT | Soil | Cation Exchange Capacity | SOP/SOL/01 Issue no 01 20.10.2016 based on guidelines on soil testing of mnsr. agri. |
| 13 | CHEMICAL- POLLUTION & ENVIRONMENT | Soil | Electrical Conductivity | IS 14767 |
| 14 | CHEMICAL- POLLUTION & ENVIRONMENT | Soil | Exchangeable Calcium | SOP/SOL/02 Issue no 01 20.10.2016 based on guidelines on soil testing of mnsr. agri |

# SCOPE OF ACCREDITATION

**Laboratory Name :** ENVIRONMENT TESTING LABORATORY OF RAMANS ENVIRO SERVICES PVT. LTD., SF-23 & 24, CAMPS CORNER, PRAHLADNAGAR, AHMEDABAD, GUJARAT, INDIA

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

**Certificate Number** TC-5091 **Page No** 2 of 6

**Validity** 10/01/2022 to 09/01/2024 **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 |
|---|---|---|---|---|
| 15 | CHEMICAL- POLLUTION & ENVIRONMENT | Soil | Exchangeable Magnesium | SOP/SOL/02 Issue no 01 20.10.2016 based on guidelines on soil testing of mnsr. agri |
| 16 | CHEMICAL- POLLUTION & ENVIRONMENT | Soil | Exchangeable Potassium | SOP/SOL/05 Issue no 01 20.10.2016 |
| 17 | CHEMICAL- POLLUTION & ENVIRONMENT | Soil | Exchangeable Sodium | SOP/SOL/05 Issue no 01 20.10.2016 Based on guideline on soil testing mnsr. agri 2012 |
| 18 | CHEMICAL- POLLUTION & ENVIRONMENT | Soil | Moisture Content | IS 2720 Part-2 |
| 19 | CHEMICAL- POLLUTION & ENVIRONMENT | Soil | Organic Carbon | IS 2720 Part 22 |
| 20 | CHEMICAL- POLLUTION & ENVIRONMENT | Soil | Organic Matter | IS 2720 Part 22 |
| 21 | CHEMICAL- POLLUTION & ENVIRONMENT | Soil | pH | IS 2720 Part 26 |
| 22 | CHEMICAL- POLLUTION & ENVIRONMENT | Soil | SAR | IS 3025 Part 45 |
| 23 | CHEMICAL- POLLUTION & ENVIRONMENT | Soil | Water Holding Capacity | SOP/SOL/08 Issue no 01 20.10.2016 Based on soil testing guideline Min of Agri. 2012 |
| 24 | CHEMICAL- POLLUTION & ENVIRONMENT | Wastewater | Acidity as CaCO3 | APHA 23rd Edition 2310 B |
| 25 | CHEMICAL- POLLUTION & ENVIRONMENT | Wastewater | Ammonical Nitrogen as NH3-N | APHA 23rd Edition 4500-NH3 |
| 26 | CHEMICAL- POLLUTION & ENVIRONMENT | Wastewater | Biological oxygen Demand @ 27°C for 3 days | IS 3025 Part 44 |
| 27 | CHEMICAL- POLLUTION & ENVIRONMENT | Wastewater | Boron as B | APHA 23rd Edition 4500-B C |
| 28 | CHEMICAL- POLLUTION & ENVIRONMENT | Wastewater | Calcium as Ca+2 | IS 3025 Part 40 |
| 29 | CHEMICAL- POLLUTION & ENVIRONMENT | Wastewater | Calcium Hardness as CaCO3 | APHA 23rd Edition 3500 Ca B |
| 30 | CHEMICAL- POLLUTION & ENVIRONMENT | Wastewater | Chemical Oxygen Demand | APHA 23rd Edition 5220 B |
| 31 | CHEMICAL- POLLUTION & ENVIRONMENT | Wastewater | Chloride as Cl | IS 3025 part 32 |

# SCOPE OF ACCREDITATION

**Laboratory Name :** ENVIRONMENT TESTING LABORATORY OF RAMANS ENVIRO SERVICES PVT. LTD., SF-23 & 24, CAMPS CORNER, PRAHLADNAGAR, AHMEDABAD, GUJARAT, INDIA

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

**Certificate Number** TC-5091 **Page No** 3 of 6

**Validity** 10/01/2022 to 09/01/2024 **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 |
|---|---|---|---|---|
| 32 | CHEMICAL- POLLUTION & ENVIRONMENT | Wastewater | Color | APHA 23rd Edition 2120C |
| 33 | CHEMICAL- POLLUTION & ENVIRONMENT | Wastewater | Conductivity | APHA 23rd Edition 2510 B |
| 34 | CHEMICAL- POLLUTION & ENVIRONMENT | Wastewater | Copper as Cu | APHA 23rd Edition 3500 Cu B |
| 35 | CHEMICAL- POLLUTION & ENVIRONMENT | Wastewater | Dissolved Oxygen | IS 3025 Part 38 |
| 36 | CHEMICAL- POLLUTION & ENVIRONMENT | Wastewater | Fixed Solids | IS 3025 Part 18 |
| 37 | CHEMICAL- POLLUTION & ENVIRONMENT | Wastewater | Fluoride as F | APHA 23rd Edition 4500 F D |
| 38 | CHEMICAL- POLLUTION & ENVIRONMENT | Wastewater | Hexavalent Chromium as Cr+6 | IS 3025 Part 52 |
| 39 | CHEMICAL- POLLUTION & ENVIRONMENT | Wastewater | Iron as Fe | APHA 23rd Edition 3500 Fe : B |
| 40 | CHEMICAL- POLLUTION & ENVIRONMENT | Wastewater | Magnesium as Mg+2 | IS 3025 Part 40 |
| 41 | CHEMICAL- POLLUTION & ENVIRONMENT | Wastewater | Nickel as Ni | IS 3025 Part 54 |
| 42 | CHEMICAL- POLLUTION & ENVIRONMENT | Wastewater | Nitrate as NO3-N | IS 3025 Part 34 |
| 43 | CHEMICAL- POLLUTION & ENVIRONMENT | Wastewater | Oil & Grease | IS 3025 Part 39 |
| 44 | CHEMICAL- POLLUTION & ENVIRONMENT | Wastewater | pH | IS 3025 Part 11 |
| 45 | CHEMICAL- POLLUTION & ENVIRONMENT | Wastewater | Potassium as K | APHA 23rd Edition 3500-K |
| 46 | CHEMICAL- POLLUTION & ENVIRONMENT | Wastewater | Reactive Silica as SiO2 | IS 3025 Part 35 |
| 47 | CHEMICAL- POLLUTION & ENVIRONMENT | Wastewater | Residue Chloride as Cl2 | APHA 23rd Edition 4500 Cl B |
| 48 | CHEMICAL- POLLUTION & ENVIRONMENT | Wastewater | Sodium as Na | APHA 23rd Edition 3500-Na |
| 49 | CHEMICAL- POLLUTION & ENVIRONMENT | Wastewater | Sulphate as SO4 | APHA 23rd Edition SO4-2 |
| 50 | CHEMICAL- POLLUTION & ENVIRONMENT | Wastewater | Sulphide as S | APHA 23rd Edition 4500 S-2 : F |

# SCOPE OF ACCREDITATION

**Laboratory Name :** ENVIRONMENT TESTING LABORATORY OF RAMANS ENVIRO SERVICES PVT. LTD., SF-23 & 24, CAMPS CORNER, PRAHLADNAGAR, AHMEDABAD, GUJARAT, INDIA

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

**Certificate Number** TC-5091 **Page No** 4 of 6

**Validity** 10/01/2022 to 09/01/2024 **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 |
|---|---|---|---|---|
| 51 | CHEMICAL- POLLUTION & ENVIRONMENT | Wastewater | Temperature | APHA 23rd Edition 2550 B |
| 52 | CHEMICAL- POLLUTION & ENVIRONMENT | Wastewater | Total Alkalinity as CaCO3 | APHA 23rd Edition 2320 B |
| 53 | CHEMICAL- POLLUTION & ENVIRONMENT | Wastewater | Total Chromium as Cr | IS 3025 Part 52 |
| 54 | CHEMICAL- POLLUTION & ENVIRONMENT | Wastewater | Total Dissolved Solids | IS 3025 Part 16 |
| 55 | CHEMICAL- POLLUTION & ENVIRONMENT | Wastewater | Total Hardness as CaCO3 | APHA 23rd Edition 2340 C |
| 56 | CHEMICAL- POLLUTION & ENVIRONMENT | Wastewater | Total Phosphate as PO4 | APHA 23rd Edition 4500-P C |
| 57 | CHEMICAL- POLLUTION & ENVIRONMENT | Wastewater | Total Solids | IS 3025 Part 15 |
| 58 | CHEMICAL- POLLUTION & ENVIRONMENT | Wastewater | Total Suspended Solids | IS 3025 Part 17 |
| 59 | CHEMICAL- POLLUTION & ENVIRONMENT | Wastewater | Turbidity | APHA 23rd Edition 2130 B |
| 60 | CHEMICAL- POLLUTION & ENVIRONMENT | Wastewater | Volatile Solids | IS 3025 Part 18 |
| 61 | CHEMICAL- POLLUTION & ENVIRONMENT | Wastewater | Zinc as Zn | IS 3025 Part 49 |
| 62 | CHEMICAL- RESIDUES IN WATER | Surface Water, Ground Water, Drinking Water | Boron as B | APHA 23rd Edition 4500-B C |
| 63 | CHEMICAL- RESIDUES IN WATER | Surface Water, Ground Water, Drinking Water | Copper as Cu | APHA 23rd Edition 3500 Cu B |
| 64 | CHEMICAL- RESIDUES IN WATER | Surface Water, Ground Water, Drinking Water | Iron as Fe | APHA 23rd Edition 3500 Fe B |
| 65 | CHEMICAL- RESIDUES IN WATER | Surface Water, Ground Water, Drinking Water | Nickel as Ni | IS 3025 Part 54 |
| 66 | CHEMICAL- RESIDUES IN WATER | Surface Water, Ground Water, Drinking Water | Total Chromium as Cr | IS 3025 Part 52 |
| 67 | CHEMICAL- RESIDUES IN WATER | Surface Water, Ground Water, Drinking Water | Zinc as Zn | IS 3025 Part 49 |
| 68 | CHEMICAL- WATER | Surface Water, Ground Water, Drinking Water | Acidity as CaCO3 | APHA 23rd Edition - 2310 |
| 69 | CHEMICAL- WATER | Surface Water, Ground Water, Drinking Water | Biological Oxygen Demand @ 27 °C for 3 days | IS 3025 Part 44 |
| 70 | CHEMICAL- WATER | Surface Water, Ground Water, Drinking Water | Calcium Hardness as CaCO3 | APHA 23rd Edition 3500-Ca : b |

# SCOPE OF ACCREDITATION

**Laboratory Name :** ENVIRONMENT TESTING LABORATORY OF RAMANS ENVIRO SERVICES PVT. LTD., SF-23 & 24, CAMPS CORNER, PRAHLADNAGAR, AHMEDABAD, GUJARAT, INDIA

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

**Certificate Number** TC-5091 **Page No** 5 of 6

**Validity** 10/01/2022 to 09/01/2024 **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 |
|---|---|---|---|---|
| 71 | CHEMICAL- WATER | Surface Water, Ground Water, Drinking Water | Chemical Oxygen Demand | APHA 23rd Edition 5220 : B |
| 72 | CHEMICAL- WATER | Surface Water, Ground Water, Drinking Water | Chloride as Cl | IS 3025 Part 32 |
| 73 | CHEMICAL- WATER | Surface Water, Ground Water, Drinking Water | Total Alkalinity as CaCO3 | APHA 23rd Edition 2320 B |
| 74 | CHEMICAL- WATER | Surface Water, Ground Water, Drinking Water | Total Hardness as CacO3 | APHA 23rd Edition 2340-C |
| 75 | CHEMICAL- WATER | Surface Water, Ground Water, Drinking Water | Ammonical Nitrogen as NH3-N | APHA 23rd Edition 4500-NH3 C |
| 76 | CHEMICAL- WATER | Surface Water, Ground Water, Drinking Water | Calcium as Ca+2 | IS 3025 Part 40 |
| 77 | CHEMICAL- WATER | Surface Water, Ground Water, Drinking Water | Color | APHA 23rd Edition 2120-C |
| 78 | CHEMICAL- WATER | Surface Water, Ground Water, Drinking Water | Conductivity | APHA 23rd Edition 2510-B |
| 79 | CHEMICAL- WATER | Surface Water, Ground Water, Drinking Water | Dissolved Oxygen | IS 3025 Part 38 |
| 80 | CHEMICAL- WATER | Surface Water, Ground Water, Drinking Water | Fixed Solids | IS 3025 Part-18 |
| 81 | CHEMICAL- WATER | Surface Water, Ground Water, Drinking Water | Fluoride as F | APHA 23rd Edition 4500-F D |
| 82 | CHEMICAL- WATER | Surface Water, Ground Water, Drinking Water | Hexavalent Chromium as Cr+6 | IS 3025 Part 52 |
| 83 | CHEMICAL- WATER | Surface Water, Ground Water, Drinking Water | Magnesium as Mg+2 | IS 3025 Part 40 |
| 84 | CHEMICAL- WATER | Surface Water, Ground Water, Drinking Water | Nitrate as NO3-N | IS 3025 Part 34 |
| 85 | CHEMICAL- WATER | Surface Water, Ground Water, Drinking Water | Oil & Grease | IS - 3025 Part 38 |
| 86 | CHEMICAL- WATER | Surface Water, Ground Water, Drinking Water | pH | IS 3025 Part 11 |
| 87 | CHEMICAL- WATER | Surface Water, Ground Water, Drinking Water | Potassium as K | APHA 23rd Edition 3500-K |
| 88 | CHEMICAL- WATER | Surface Water, Ground Water, Drinking Water | Reactive Silica as SiO2 | IS 3025 Part 35 |
| 89 | CHEMICAL- WATER | Surface Water, Ground Water, Drinking Water | Residual Chlorine as Cl2 | APHA 23rd Edition 4500 Cl B |
| 90 | CHEMICAL- WATER | Surface Water, Ground Water, Drinking Water | Residue Chlorine - Chloroscope | SOP/WAT/35, Issue No. 01 |
| 91 | CHEMICAL- WATER | Surface Water, Ground Water, Drinking Water | Sodium as Na | APHA 23rd Edition 3500-Na B |
| 92 | CHEMICAL- WATER | Surface Water, Ground Water, Drinking Water | Sulphate as SO4 | APHA 23rd Edition 4500-SO4-2 E |
| 93 | CHEMICAL- WATER | Surface Water, Ground Water, Drinking Water | Sulphide as S | APHA 23rd Edition 4500 S 2 F |
| 94 | CHEMICAL- WATER | Surface Water, Ground Water, Drinking Water | Temperature | APHA 23rd Edition 2550-B |
| 95 | CHEMICAL- WATER | Surface Water, Ground Water, Drinking Water | Total Dissolved Solids | IS 3025 Part 16 |
| 96 | CHEMICAL- WATER | Surface Water, Ground Water, Drinking Water | Total Phosphate as PO4 | APHA 23rd Edition 4500-P C |
| 97 | CHEMICAL- WATER | Surface Water, Ground Water, Drinking Water | Total Solids | IS 3025 Part 15 |
| 98 | CHEMICAL- WATER | Surface Water, Ground Water, Drinking Water | Total Suspended Solids | IS 3025 Part 17 |
| 99 | CHEMICAL- WATER | Surface Water, Ground Water, Drinking Water | Turbidity | APHA 23rd Edition 2130-B |
| 100 | CHEMICAL- WATER | Surface Water, Ground Water, Drinking Water | Volatile Solids | IS 3025 Part-18 |

# SCOPE OF ACCREDITATION

**Laboratory Name :** ENVIRONMENT TESTING LABORATORY OF RAMANS ENVIRO SERVICES PVT. LTD., SF-23 & 24, CAMPS CORNER, PRAHLADNAGAR, AHMEDABAD, GUJARAT, INDIA

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

**Certificate Number** TC-5091 **Page No** 6 of 6

**Validity** 10/01/2022 to 09/01/2024 **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 |
|---|---|---|---|---|
| Site Facility | | | | |
| 1 | CHEMICAL- ATMOSPHERIC POLLUTION | Ambient Air | PM 10 | IS 5182 Part 23 |
| 2 | CHEMICAL- ATMOSPHERIC POLLUTION | Ambient Air | PM 2.5 | SOP/AIR/02 Issue no 01 20.10.2016 |
| 3 | CHEMICAL- ATMOSPHERIC POLLUTION | Ambient Noise | Noise Level | IS 9989 |
| 4 | CHEMICAL- ATMOSPHERIC POLLUTION | Noise Level emitted by Diesel Generation set | Noise Level | IS 4758 |
| 5 | CHEMICAL- ATMOSPHERIC POLLUTION | Stack Emission | PM | IS 11255 Part 1 |
| 6 | CHEMICAL- POLLUTION & ENVIRONMENT | Wastewater | pH | IS 3025 Part 11 |
| 7 | CHEMICAL- POLLUTION & ENVIRONMENT | Wastewater | Residual Chlorine - Chloroscope | SOP/WAT/35, Issue No. 01 |
| 8 | CHEMICAL- POLLUTION & ENVIRONMENT | Wastewater | Temperature | APHA 23rd Edition 2550 B |
| 9 | CHEMICAL- WATER | Surface Water, Ground Water, Drinking Water | pH | IS 3025 Part 11 |