# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

**Laboratory Name :** WAINGANGA WATER QUALITY LABORATORY, CENTRAL WATER COMMISSION, WAINGNAGA DIVISION, IIND FLOOR,BLOCK C, CGO COMPLEX,SEMINARY HILLS, NAGPUR, MAHARASHTRA, INDIA

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

**Certificate Number** TC-8550 **Page No** 1 of 1

**Validity** 14/10/2022 to 13/10/2024 **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- WATER | Surface Water | Ammonium Nitrogen as N | APHA (23rd Edition) 4500 NH3-D (Ion Selective Method) |
| 2 | CHEMICAL- WATER | Surface Water | Bio-Chemical Oxygen Demand | APHA (23rd Edition,2017) 5210-B: (5 days BOD Test) |
| 3 | CHEMICAL- WATER | Surface Water | Calcium as Ca | APHA (23rd Edition,2017) 3500Ca-B: (EDTA Titrimetric) |
| 4 | CHEMICAL- WATER | Surface Water | Chloride as Cl- | APHA (23rd Edition,2017) 4500Cl- -B: (Argentometric) |
| 5 | CHEMICAL- WATER | Surface Water | Conductivity | APHA (23rd Edition,2017) 2510-B: (Laboratory Method) |
| 6 | CHEMICAL- WATER | Surface Water | Dissolved Oxygen | APHA (23rd Edition,2017) 4500DO-C: (Iodometric) |
| 7 | CHEMICAL- WATER | Surface Water | Fluoride as F | APHA (23rd Edition,2017) 4500F--C: (Ion selective electrode) |
| 8 | CHEMICAL- WATER | Surface Water | Magnesium as Mg | APHA (23rd Edition,2017) 3500Mg-B: (Calculation) |
| 9 | CHEMICAL- WATER | Surface Water | pH | APHA (23rd Edition,2017) 4500H-B: (Electrometric ) |
| 10 | CHEMICAL- WATER | Surface Water | Potassium as K | APHA (23rd Edition,2017)3450K-D: (Flame emission Photometric) |
| 11 | CHEMICAL- WATER | Surface Water | Sodium as Na | APHA (23rd Edition,2017) 3450Na-B: (Flame emission Photometric |
| 12 | CHEMICAL- WATER | Surface Water | Sulphate as SO4 | APHA (23rd Edition,2017) 4500 SO4 E (Nephelometric) |
| 13 | CHEMICAL- WATER | Surface Water | Total alkalinity as CaCO3 | APHA (23rd Edition,2017) 2320-B: (Titration) |
| 14 | CHEMICAL- WATER | Surface Water | Total hardness as CaCO3 | APHA (23rd Edition,2017) 2340-C: (EDTA Titrimetric ) |
| 15 | CHEMICAL- WATER | Surface Water | Turbidity | APHA (23rd Edition,2017) 2130-B: (Nephelometric) |