# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

**Laboratory Name :** ADVANCED RESEARCH & TESTING LABORATORY, 12, MONDAL PARA 1ST LANE (2ND FLOOR), KOLKATA, WEST BENGAL, INDIA

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

**Certificate Number** TC-8750 **Page No** 1 of 2

**Validity** 29/11/2022 to 28/11/2024 **Last Amended on** 04/02/2023

| 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 | Drinking Water | Aluminium | APHA3500- Al B. 23rd Edition. |
| 2 | CHEMICAL- WATER | Drinking Water | Ammoniacal Nitrogen | IS 3025 : Part 34 |
| 3 | CHEMICAL- WATER | Drinking Water | Calcium as Ca | APHA, 3500 B EDTA Titrimetric method. 23rd Edition. |
| 4 | CHEMICAL- WATER | Drinking Water | Chloride as Cl- | APHA, 4500 B Argentometric method. 23rd Edition |
| 5 | CHEMICAL- WATER | Drinking Water | Colour | APHA 2120B. 23rd Edition. |
| 6 | CHEMICAL- WATER | Drinking Water | Conductivity | APHA 2510 B (Laboratory method). 23rd Edition. |
| 7 | CHEMICAL- WATER | Drinking Water | Copper | APHA 3500-Cu B. APHA 23rd Edition |
| 8 | CHEMICAL- WATER | Drinking Water | Iron as Fe | IS 3025 (Part 53): 2003, 1,10 Phenanthroline method |
| 9 | CHEMICAL- WATER | Drinking Water | Magnesium as Mg | APHA, 3500 B Calculation method. 23rd Edition. |
| 10 | CHEMICAL- WATER | Drinking Water | Nitrite | APHA 4500 NO2- B. 23rd Edition. |
| 11 | CHEMICAL- WATER | Drinking Water | Odour | IS 3025 : Part 5 |
| 12 | CHEMICAL- WATER | Drinking Water | pH @ 25°C | APHA, 4500 B (Electrometric Method). 23rd Edition. |
| 13 | CHEMICAL- WATER | Drinking Water | Residual Free Chlorine | IS 3025 : Part 26 |
| 14 | CHEMICAL- WATER | Drinking Water | Silica as SiO2 | APHA, 4500 C (Molybdosilicate method). 23rd Edition. |
| 15 | CHEMICAL- WATER | Drinking Water | Sulphate as SO4 | APHA, 4500 E (Turbidity method). 23rd Edition. |
| 16 | CHEMICAL- WATER | Drinking Water | Sulphate as SO4 | IS 3025 : Part 24 : Sec 1 |
| 17 | CHEMICAL- WATER | Drinking Water | Taste | IS 3025 : Part 7 |
| 18 | CHEMICAL- WATER | Drinking Water | Total Alkalinity as CaCO3 | APHA 2320 B (Titration method). 23rd Edition. |
| 19 | CHEMICAL- WATER | Drinking Water | Total Dissolved Solids | IS 3025 (Part 16) |
| 20 | CHEMICAL- WATER | Drinking Water | Total Hardness as CaCO3 | APHA 2340 C (EDTA Titrimetric method). 23rd Edition. |
| 21 | CHEMICAL- WATER | Drinking Water | Total Solids | APHA 2540 B. 23rd Edition. |
| 22 | CHEMICAL- WATER | Drinking Water | Total Suspended Solids | IS 3025 : Part 17 |

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|---|---|---|---|---|
| 23 | CHEMICAL- WATER | Drinking Water | Turbidity | APHA, 2130B (Nephelometric method). 23rd Edition |