# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

**Laboratory Name :** NADIA DISTRICT WATER TESTING LABORATORY, HARINGHATA WATER TREATMENT PLANT, NADIA, KALYANI, WEST BENGAL, INDIA

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

**Certificate Number** TC-9720 **Page No** 1 of 2

**Validity** 02/08/2021 to 01/08/2023 **Last Amended on** 09/11/2022

| 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 | Calcium (as Ca) | APHA 23rd Edition -3500-Ca Method B (EDTA Method ) |
| 2 | CHEMICAL- WATER | Drinking Water | Calcium (as Ca) | IS 3025 (Part 40) |
| 3 | CHEMICAL- WATER | Drinking Water | Chloride | APHA 23rd Edition -4500-Cl Method B (Argentometric Method) |
| 4 | CHEMICAL- WATER | Drinking Water | Chloride | IS 3025 (Part 32) (Argentometric Method) |
| 5 | CHEMICAL- WATER | Drinking Water | Colour | APHA 23rd Edition -2120 Colour Method B(Platinum Cobalt Visual Comparison) |
| 6 | CHEMICAL- WATER | Drinking Water | Colour | IS 3025 (Part 4) |
| 7 | CHEMICAL- WATER | Drinking Water | Copper | APHA 23rd Edition -3111 B (Air Acetylene Flame Method) |
| 8 | CHEMICAL- WATER | Drinking Water | Magnesium | APHA 23rd Edition -3500-Mg B (Calculation Method) |
| 9 | CHEMICAL- WATER | Drinking Water | Magnesium | IS 3025 (Part 46) |
| 10 | CHEMICAL- WATER | Drinking Water | Odour | IS 3025 (Part 5) |
| 11 | CHEMICAL- WATER | Drinking Water | pH | APHA 23rd Edition -4500-H+ Method B |
| 12 | CHEMICAL- WATER | Drinking Water | pH | IS 3025 (Part 11) (Electrometric Method) |
| 13 | CHEMICAL- WATER | Drinking Water | Residual Free Chlorine | IS 3025 (Part 26) (Iodometric Method) |
| 14 | CHEMICAL- WATER | Drinking Water | Taste | IS 3025 (Part 8) |
| 15 | CHEMICAL- WATER | Drinking Water | Total Alkalinity | APHA 23rd Edition -2320 Alkalinity Method B (Titration Method) |
| 16 | CHEMICAL- WATER | Drinking Water | Total Alkalinity | IS 3025 (Part 23) (Indicator Method) |
| 17 | CHEMICAL- WATER | Drinking Water | Total Arsenic | APHA 23rd Edition -3114 C (Continuous Hydride Generator Method) |
| 18 | CHEMICAL- WATER | Drinking Water | Total Arsenic | IS 3025 (Part 37) (Silver Diethyl Dithio-Carbamate Method) |

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|---|---|---|---|---|
| 19 | CHEMICAL- WATER | Drinking Water | Total Dissolved Solids | APHA 23rd Edition -2540 TDS Method C (Dried at 180 Degree Celsius) |
| 20 | CHEMICAL- WATER | Drinking Water | Total Dissolved Solids | IS 3025 (Part 16) |
| 21 | CHEMICAL- WATER | Drinking Water | Total Hardness | APHA 23rd Edition -2340 Hardness Method C (EDTA Method) |
| 22 | CHEMICAL- WATER | Drinking Water | Total Hardness | IS 3025 (Part 21) (EDTA Titrimetric Method) |
| 23 | CHEMICAL- WATER | Drinking Water | Total Iron | APHA 23rd Edition -3111 B (Air Acetylene Flame Method) |
| 24 | CHEMICAL- WATER | Drinking Water | Total Iron | IS 3025 (Part 53) |
| 25 | CHEMICAL- WATER | Drinking Water | Total Manganese | APHA 23rd Edition -3111 B (Air Acetylene Flame Method) |
| 26 | CHEMICAL- WATER | Drinking Water | Turbidity | APHA 23rd Edition -2130 Turbidity Method |
| 27 | CHEMICAL- WATER | Drinking Water | Turbidity | IS 3025 (Part 10) (Nephelometric Turbidity Method) |