



# District Level Water Analysis Laboratory

## Uttar Pradesh Jal Nigam (Rural), Meerut

Issue No:04

Issue Date:  
17.10.2024

Revision No:00

### Test Report

|                           |                                                                            |      |            |
|---------------------------|----------------------------------------------------------------------------|------|------------|
| Report Issue Date         | 29/11/2025                                                                 |      |            |
| URL                       | N/A                                                                        |      |            |
| Letter No.                | -                                                                          | Date | 27.11.2025 |
| Customer Name and Address | PAHLSON INTERNATIONAL SCHOOL, JATPURA, NEAR BHALSONA BRIDGE ROHTA, MEERUT. |      |            |
| Report No.                | MTR/99                                                                     |      |            |

Sampling Method ISO 17614 (Part - 1) : 2021

Sample Description:- Liquid transparent and colourless liquid received at ambient condition.

#### Basic Details of Sample

|                       |                |                          |                                                                            |
|-----------------------|----------------|--------------------------|----------------------------------------------------------------------------|
| District              | MEERUT         | Block                    | ROHTA                                                                      |
| Gram Panchayat        | JATPURA        | Village                  | JATPURA                                                                    |
| Habitation            | JATPURA        | Location                 | PAHLSON INTERNATIONAL SCHOOL, JATPURA, NEAR BHALSONA BRIDGE ROHTA, MEERUT. |
| Water Source          | TAP WATER      | Sample ID                | M/25/11/P99                                                                |
| Sample Collector      | AARYAN TOMAR   | Date of sampling.        | 27.11.2025                                                                 |
| Depositor             | AARYAN TOMAR   | Receiving Date           | 27.11.2025                                                                 |
| Discipline Sample     | Chemical       | Analysis Start Date      | 28.11.2025                                                                 |
| Packaging Type        | Plastic bottle | Analysis Completion Date | 28.11.2025                                                                 |
| Group                 | Water          | Quantity                 | 1 Liter                                                                    |
| Temperature (25± 3)°C | 23°C           | Humidity (50%± 15%)      | 48%                                                                        |

#### Technical Data of Analysis

| SR. NO. | Analyzed parameters (Unit of Measurement)                    | Observed Value | Specified Values as per BIS |                   | Ref. Method of Analysis                                                                                  |
|---------|--------------------------------------------------------------|----------------|-----------------------------|-------------------|----------------------------------------------------------------------------------------------------------|
|         |                                                              |                | Acceptable Limit            | Permissible Limit |                                                                                                          |
| 1       | 2                                                            | 3              | 4                           | 5                 | 6                                                                                                        |
| 1       | pH @25°C                                                     | 7.38           | 6.5-8.5                     | 6.5-8.5           | IS 3025 (Part 11): 2022 (Electrometric Method)                                                           |
| 2       | Turbidity (NTU)                                              | 1.10           | 1.00                        | 5.00              | IS 3025 (Part 10): 2023 (Nephelometer Method)                                                            |
| 3       | TDS, mg/l                                                    | 106            | 500                         | 2000              | IS 3025 (Part 16): 2017 (Gravimetric Method)                                                             |
| 4       | Chloride (as Cl), mg/l                                       | 108            | 250                         | 1000              | IS 3025 (Part 32): 2019 (Titration Method)                                                               |
| 5       | Total Alkalinity (as Na <sub>2</sub> CO <sub>3</sub> ), mg/l | 60             | 200                         | 600               | IS 3025 (Part 23): 2019 (Titration Method)                                                               |
| 6       | Total Hardness (as CaCO <sub>3</sub> ), mg/l                 | 84             | 200                         | 600               | IS 3025 (Part 21): 2019 (Titration Method)                                                               |
| 7       | Calcium (as Ca), mg/l                                        | 16.0           | 75                          | 200               | IS 3025 (Part 40): 2019                                                                                  |
| 8       | Magnesium (as Mg), mg/l                                      | 10.56          | 30                          | 100               | IS 3025 (Part 16): 2019                                                                                  |
| 9       | Sulphate (as SO <sub>4</sub> ), mg/l                         | 53.98          | 200                         | 400               | APHA 23 <sup>RD</sup> Ed 2017, 4500-SO <sub>4</sub> (E. Turbidimetric Method)                            |
| 10      | Nitrate (as NO <sub>3</sub> ), mg/l                          | 3.05           | 45                          | No Relaxation     | APHA 23 <sup>RD</sup> Ed 2017, 4500-NO <sub>3</sub> (B. Ultraviolet Spectrophotometric Screening Method) |
| 11      | Fluoride (as F), mg/l                                        | 0.377          | 1.0                         | 1.5               | APHA 23 <sup>RD</sup> Ed 2017, 4500-F (C. Ion Selection Electrode Method)                                |
| 12      | Iron (as Fe), mg/l                                           | 0.08           | 1.0                         | No Relaxation     | APHA 23 <sup>RD</sup> Ed 2017, 3500-Fe (B Phenanthroline Method)                                         |
| 13      | Colour                                                       | 5              | 5HU                         | 15HU              | APHA 23 <sup>RD</sup> Ed 2021 Colour Method (Platinum cobalt Visual Comparison): 2017                    |
| 14      | Taste                                                        | Satisfactory   | Qualitative                 |                   | IS 3025 (Part 08): 2017                                                                                  |
| 15      | Odour                                                        | Satisfactory   | Qualitative                 |                   | IS 3025 (Part 05): 2018                                                                                  |
| 16      | Conductivity                                                 |                | <2500                       | No rel.           | Standard Value as per WHO (2017)                                                                         |
| 17      | Free residual chlorine                                       | 0.05           | 0.2                         |                   | IS 3025 (Part 26)                                                                                        |
| 18      | Total Coliform CFU/100 ml                                    | ABSENT         | No Relaxation               | No Relaxation     | APHA 23 Edition: 2017                                                                                    |
| 19      | E.Coli CFU/100 ml                                            | ABSENT         | No Relaxation               | No Relaxation     | APHA 23 Edition: 2017                                                                                    |

Note:

1. Refers only to the particular sample(s) submitted for testing.
2. This certificate shall not be reproduced, except in full, unless written permission for the publication of an approved abstract has been obtained from Head of Laboratory.
3. The test results reported in this certificate are valid at the time of and under the stated conditions of measurements.
4. Sample will be stored up to 07 days (In case of non-perishable items only) from the date of issue of tests reports unless otherwise specified.

Chemist

Junior Engineer

.....End Of Report.....

Assistant Engineer