



# Water Analysis Report

District Level Water Analysis Laboratory, U.P. Jal Nigam (Gramin) Saharanpur 247001

Address-Office of Executive Engineer, Construction Unit U.P. Jal Nigam Near Gandhi Park

District - Saharanpur -247001

Report No. -- UPJN/SRE/JUNE/2024/40

Issue Date -- 15.06.2024

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## Customer Details

|                         |   |
|-------------------------|---|
| Office Name And Address | Chander Sain Convent Academy              |
| Ref Letter No. & Date.  | Chander Sain Convent Academy / 27.05.2024 |

## Basic details of sample

|                    |                 |                           |                                     |
|--------------------|-----------------|---------------------------|-------------------------------------|
| District           | Saharanpur      | Block                     | Nanouta                             |
| Gram Panchayat     | N/A             | Village/ Town             | Mitragarh                           |
| Habitation         | Mitragarh       | Location                  | Opp. Bijli Ghar Gangoh Road Nanouta |
| Water Source       | Deep tubwell    | Sample No.                | 01                                  |
| Quantity Of Sample | 02 L            | Date of Sample Collection | 27.05.2024                          |
| Receiving Date     | 27.05.2024      | Sample Collector          | Pankaj Jain                         |
| Sample Depositor   | Parvindra Kumar | Sampling Method           | IS:17614 PART 3:2021                |
| Analysis Date      | 14.06.2024      | Analysis Completion Date  | 15.06.2024                          |

Temperature - 25±3°C

## Technical Data of Analysis.

Humidity - 50±15%

| S No | Analyzed Parameters                      | Units of Measurement | Observed Value | Specified Values as per IS 10500:2012 |                   | Ref. Method of Analysis   |
|------|--|----------------------|----------------|---------------------------------------|-------------------|---|
|      |  |                      |                | Acceptable Limit                      | Permissible Limit |   |
| 1    | 2  | 3                    | 4              | 5                                     | 6                 | 7   |
| 1    | pH (Temp 25°C)                           |                      | 7.07           | 6.5-8.5                               | No Relaxation     | IS 3025 (Part 11) : 2017  |
| 2    | Turbidity                                | NTU                  | 1.516          | 1                                     | 5                 | IS 3025 (Part 10) : 2017  |
| 3    | TDS (Temp 18°C±2°C)                      | mg/L                 | 290            | 500                                   | 2000              | IS 3025 (Part 116) : 2017   |
| 4    | Chloride (as Cl)                         | mg/L                 | 20             | 250                                   | 1000              | IS 3025 (Part 32) : 2019  |
| 5    | Total Alkalinity (as CaCO <sub>3</sub> ) | mg/L                 | 270            | 200                                   | 600               | IS 3025 (Part 23) : 2019  |
| 6    | Total Hardness (as CaCO <sub>3</sub> )   | mg/L                 | 310            | 200                                   | 600               | IS 3025 (Part 21) : 2019  |
| 7    | Nitrate (as NO <sub>3</sub> )            | mg/L                 | 12.35          | 45                                    | No Relaxation     | APHA 24 <sup>th</sup> Edition-4500-NO <sub>3</sub> Method D(UV Screening Method)  |
| 8    | Sulphate (as SO <sub>4</sub> )           | mg/L                 | 72.12          | 200                                   | 400               | APHA 24 <sup>th</sup> Edition-4500-SO <sub>4</sub> Method E(Turbidimetric Method) |
| 9    | Calcium (as Ca)                          | mg/L                 | 52.6           | 75                                    | 200               | IS 3025 (Part 40):2019  |
| 10   | Magnesium (as Mg)                        | mg/L                 | 42.25          | 30                                    | 100               | APHA 24 <sup>th</sup> Edition-3500-Mg Method B (By Calculation)                   |
| 11   | Iron (as Fe)                             | mg/L                 | 0.01           | 1.0                                   | No Relaxation     | APHA 24 <sup>th</sup> Edition-3500-Fe Method V(Phenanthroline Method)             |
| 12   | Fluoride (as F)                          | mg/L                 | 0.131          | 1.0                                   | 1.5               | APHA 24 <sup>th</sup> Edition-4500-F Method C(Electrode Method)                   |

## Note

- This Certificate refers only to the particular sample(s) submitted for testing.
- 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.
- The test results reported in this certificate are valid at the time of and under the stated conditions of measurements.
- Sample will be stored up to 15 days (in case of non-perishable items only) from the date of issue of tests reports unless otherwise specified.

(Amir Kumar)  
(Lab Assistant)

(Deeksha Goyal)  
Authorized Signature  
Manager

## Laboratory Contact Details:

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Result

Pass (✓)