

WATER ANALYSIS REPORT



District Level Water Analysis Laboratory

U. P. Jal Nigam (Rural), Kolbaj Bahadur (Pragati Nagar),
Azamgarh- 276001

NABL T-8677

| | | | | | |
|--------------------------------|------------------------------|--|--|-----------------|--|
| Report No.: C/AZM/01 | | Date: 17.05.2025 | | No. of Pages: 1 | |
| Customer Details | | | | | |
| Office Name and Address | | Saba Convent School Bhataura Sathiaon, Dist-Azamgarh | | | |
| Ref. Letter No. & Date | | NA | | | |
| Basic Details of Sample | | | | | |
| District | Azamgarh | Block | Sathiaon | | |
| Gram Panchayat | Bhataura | Village | Bhataura | | |
| Habitation | Main | Location | Saba Convent School Bhataura Sathiaon Azamgarh | | |
| Water Source | Submersible (Drinking Water) | Sample Code | C/AZM/MAY/01 | | |
| Quantity of Sample | 1000 mL (Normal), 500 mL | Sampling date | 15.05.2025 | | |
| Sample Received Date | 15.05.2025 | Sample collected by | Afroj Ahmad (Principal) | | |
| Sampling Method Used | NA | Sample Depositor | Afroj Ahmad (Principal) | | |
| Analysis Start Date | 15.05.2025 | Analysis Completion Date | 17.05.2025 | | |

| S. No. | Analysed Parameters | Observed Value | Specification as per IS 10500:2012 (Second Revision) | | Ref. Methods of Analysis |
|--------|--------------------------------------|----------------|--|----------------------|---|
| | | | Acceptable Limit | Permissible Limit | |
| 1 | 2 | | 4 | 5 | 6 |
| 1 | Taste | Agreeable | Agreeable/Not Agree. | Agreeable/Not Agree. | IS 3025 (Part 8):1984 |
| 2 | Odour | Agreeable | Agreeable | Agreeable | IS 3025 (Part 5):2018 |
| 3 | Turbidity (NTU) ** | 2.74 | 1 | 5 | APHA 24rd Ed. 2130- Turbidity Method B: 2023 |
| 4 | pH ** | 7.69 | 6.5-8.5 | 6.5-8.5 | APHA 24rd Ed. 4500 H+ Method B: 2023 |
| 5 | Colour (Hazen units) ** | 0.00 | 5 | 15 | APHA 24rd Ed. 2120- B (Platinum Cobalt Visual Comparison): 2023 |
| 6 | Total Dissolved Solids, mg/l ** | 564 | 500 | 2000 | APHA 24rd Ed. 2540- TDS Method C (Dried at 180 degree Celsius): 2023 |
| 7 | Chloride (as Cl), mg/l ** | 110 | 250 | 1000 | APHA 24rd Ed. 4500- CL Method B (Argentometric Method): 2023 |
| 8 | Total Alkalinity, (as CaCO3) mg/l ** | 260 | 200 | 600 | APHA 24rd Ed. 2320- Alkalinity Method B (Titration method): 2023 |
| 9 | Total Hardness, (as CaCO3) mg/l ** | 292 | 200 | 600 | APHA 24rd Ed. 2340- Hardness Method C (EDTA Method): 2023 |
| 10 | Calcium (as Ca), mg/l ** | 38 | 75 | 200 | APHA 24rd Ed. 3500- Ca Method B (EDTA Method): 2023 |
| 11 | Magnesium (as Mg), mg/l ** | 44 | 30 | 100 | APHA 24rd Ed. 3500- Mg Method B (By Calculation): 2023 |
| 12 | Sulphate (as SO4), mg/l ** | 16.23 | 200 | 400 | APHA 24rd Ed. 4500- SO4 Method C (Gravimetric Method Ignition of Residue): 2023 |
| 13 | Nitrate (as NO3), mg/l ** | 2.89 | 45 | No relaxation | APHA 24rd Ed. 4500- NO3 Method E (Cadmium Reduction Method): 2023 |
| 14 | Fluoride (as F), mg/l ** | BDL(0.482) | 1.00 | 1.50 | APHA 24rd Ed. 4500- F Method C (Electrode Method): 2023 |
| 15 | Iron (as Fe), mg/l ** | BDL(0.002) | 1.00 | No relaxation | APHA 24rd Ed. 3111 -Fe Method B Direct A-Ac Flame AAS Method: 2023 |
| 16 | Arsenic | BDL(0.001) | 0.010 | 0.010 | IS 3025 (Part 37): 1987 Silver diethyl Dithiocarbamate Method |
| 17 | E.coli | 0.0 | 0.0 | 0.0 | Membrane Filter Method |
| 18 | Total Coliform | 0.0 | 0.0 | 0.0 | Membrane Filter Method |

All These parameters are under NABL Scope, BDL-Below Detection Limit, NA- Not Analysed

Note: 1. This certificate refers only to the particular sample(s) submitted for analysis.

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 analysis results reported in this certificate are valid at the time of and under the stated conditions of measurements.

4. Sample(s) will be stored up to 07 days (in case of non-perishable items only) from the date of issue of analysis reports, unless otherwise specified.

5. Parameters above Permissible Limit are written in bold.

6. Sample(s) with any parameter value above Accepted Limit will only be used for oral consumption, if no other source is available.

7. Sample is not Collected by Lab. 8. ** Indicates Parameters are NABL Accredited.

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*****END OF THE ANALYSIS REPORT*****