



Analysis Report

District Level Water Analysis Laboratory U.P, Jal Nigam Bijnor

Report No. 1220 4176 / 10th Floor	Date 26.8.2025	Page No. 114	
Customer Details			
Office Name and Address	ST MARY'S SCHOOL BHIKKAWALA AFZALGARH BIJNOR		
Ref Letter No & date	SMIC/120/2025-26	Date: 20-08-2025	
Basic details of sample			
District	Bijnor	Block	Afzalgarh
Gram Panchayat	Bhikkawala	Village	Bhikkawala
Habitation	Shanti Nagar	Location	St Mary's School
Water Source	Submersible	Sample No.	BJ/1220
Quantity of Sample	1 Lt	Date of S.C	21-08-2025
Receiving Date	21-08-2025	Sample Collector	Amit Kumar
Sample Depositor	Vishal	Sampling Method Used	IS 17614 (Part 1):2021
Analysis Start Date	21-08-2025	Analysis Completion date- 22-08-2025	
Environmental Condition			
Temperature	24.7°C	Relative Humidity	57%

S.R	Analyzed Parameters (Unit of Measurement)	Observed Value	Specified Values as per BIS 10500:2012		Ref Method of Analysis
			Acceptable Limit	Permissible Limit	
1	2	3	4	5	6
1	pH	7.20 ✓	6.5-8.5	6.5-8.5	IS 3025 P-11:2022
2	Turbidity (NTU)	1.71 ✓	1.0	5.0	IS 3025 P-10:2023
3	TDS(mg/l)	312.0	500	2000	IS 3025 P-16:2023
4	Chloride(mg/l)	10.0	250	1000	IS 3025 P-32:2019
5	Total Alkalinity(mg/l)	150.0	200	600	IS 3025 P-23:2023
6	Total Hardness(mg/l)	160.0	200	600	IS 3025 P-21:2019
7	Calcium(mg/l)	32.56	75	200	IS 3025 P-40:2024
8	Magnesium (mg/l)	19.44	30	100	IS 3025 P-46:2023
9	Nitrate (mg/l)	8.54	45	45	Apha24 th edition -4500 NO ₃ ⁻ Method B (UV Screening Method):2023
10	Sulphate (mg/l)	7.39	200	400	Apha24 th edition-4500 SO ₄ ⁻ Method E (Turbidimetric Method):2023
11	Iron (mg/l)	0.19	1.0	1.0	Apha 24 th edition -3500 Fe method B (Phenanthroline Method):2023
12	Fluoride(mg/l)	0.272	1.0	1.5	Apha24th edition-4500 F Method C (Electrode method):2023
13	E.coli	0	Shall not be detectable in 100 ml sample		IS 15185:2016
14	Total Coliform	0	Shall not be detectable in 100 ml sample		IS 15185:2016

Note -

1. This Certificate 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 send under the stated conditions of measurements.
4. Sample will be stored up to 7 days. (in case of non-perishable items only) from the date of issue of tests report unless.

prepared By: Lab Technician

Authorized Signatory
Technical Manager
(Microbiological)

Authorized Signatory
Technical Manager
(Chemical)

End of Report