



Regional Water Testing Laboratory (Uttar Pradesh Jal Nigam, Gorakhpur)

Address: EWS 388,389,390 Rapti Nagar Phase-1, Medical Road,
Gorakhpur(U.P)-273003



TC-12931

CHEMICAL SAMPLE TEST REPORT

Rept. No	108 / camp / lab -1	Date:	08/04/2025	Page No	
Customer Details					
Office Name and Address					
Ref Letter No & Date	02/04/2025				
Basic details of sample					
District	Basti	Block	--		
Gram Panchayat	--	Village	--		
Habitation	--	Location	Kapil Ganga Public School Lakhnaura, Basti		
Water Source	R.O	Sample Code	51622 (C/25/04/04)		
Quantity of Sample	1000ml	Date of S.C.	02/04/2025		
Receiving Date	02/04/2025	S. Collector	Sanjeev Kumar		
Sample Depositor	Sanjeev Kumar				
Analysis Start Date	02/04/2025	Analysis Completion Date	02/04/2025		

Environmental Condition

Temperature	26.5 °C	Relative Humidity	55%
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Technical Data of Analysis

Sr. No	Analyzed parameters (Unit of Measurement)	Observed Value	Unit	Specified Values as per BIS 10500:2012		Ref. Method of Analysis
				Acceptable Limit	Permissible Limit	
1	Odour	Agreeable				IS 3025 (Part 5):2018
2	Turbidity	0.62	NTU	1	5	IS 3025 (Part 10):2023
3	pH (25°C)	7.02	--	6.5-8.5	No relaxation	IS 3025 (Part 11):2022
4	Total Dissolved Solids	76	mg/L	500	2000	IS 3025 (Part 16):2023
5	Total Hardness	68	mg/L	200	600	IS 3025 (part 21):2023
6	Total alkalinity	36	mg/L	200	600	IS 3025(Part 23):2023
7	Chloride as Cl ⁻	24	mg/L	250	1000	IS 3025(Part 32);2003
8	Calcium	19.2	mg/L	75	200	IS 3025(Part 40): 2024
9	Magnesium	14.80	mg/L	30	100	IS 3025(Part 46): 2023
10	Sulphate	2.162	mg/L	200	400	APHA 24th Edition 4500-SO ₄ Method E Turbidimetric Method 2023
11	Nitrate	0.296	mg/L	45	No relaxation	APHA 24th Edition 4500-NO ₃ Method B UV Screening Method 2023
12	Iron	0.068	mg/L	1	No relaxation	APHA 24th Edition 3500-Fe Method B Phenanthroline Methods 2023
13	Fluoride	0.162	mg/L	1.0	1.5	APHA 24th Edition 4500-F Method C (Electrode Method):202300
14	Conductivity	--	(Ms/cm)	NA	NA	IS:3025(Part 10):2017
15	Arsenic	BDL	mg/L	0.01	No Relaxation	APHA 24th Edition 3500 Method B (Silver Diethyldithiocarbamate Method)

#BDL- Below Detection Limit, NA- Not Analyzed

** Parameter(s) above permissible limit are in bold digits.

- 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.
 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 7 days (in case of non perishable items only) from the date of issue of tests reports unless.
 5. Sample not collected by the laboratory.

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Kapil Ganga Public School
Basti
Review By

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Kapil Ganga Public School
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Assistant Engineer

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End of Report