



District Level Water Testing Laboratory, Hazaribagh

Office of the Executive, Engineer, Drinking Water and Sanitation Division, Hazaribagh

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(Test Analysis Report)

Discipline:- Chemical & Biological	Group :- Water	Sub -Group: Drinking Water	
Issued To:	RAJ MEMORIAL PUBLIC SCHOOL COLLEGE ROAD, TAJPUR, CHOUPARAN	SAMPLE CODE:- 01	
		Report Issue Date : 20.04.2026	
Sample Description / Type	Drinking water (G.W.)	Sample Provided by	Lab Rep Sujit Kumar
Report no	12	Sample Quantity / Packing	1 L HDPE Bottle
Date of Sample Received	18.04.2026	Sample Temperature	4 °C
Date of start of Analysis	18.04.2026	Humidity	50±15 % RH
Date of Completion Analysis :	20.04.2026	Sampling Procedure	N/A

Sl. No.	Parameter	Unit	Result	Method Reference	Specification as per BIS – 10500:2012 (Second Revision) Amendment – June 2015	
					Acceptable Limit (Max)	Permissible Limit (In Absence of Alternate source) (Max)
(A)	CHEMICAL PARAMETERS					
1	pH	-	7.25	APHA 24 th Edition 2023-4500-II ⁺ B ₁ (Electrometric Method)	6.5 – 8.5	No relaxation
2	Turbidity	NTU	1.4	APHA-24 th Edition 2023-2130-A, (Nephelometric method)	1	5
3	Chloride (as Cl)	mg/L, Max	10	APHA-24 th Edition 2023-4500- B ₁ (Argentometric method)	250	1000
4	Total Hardness as CaCO ₃	mg/L, Max	250	APHA-24 th Edition 2023-2340-C (EDTA Titrimetric method)	200	600
5	Total Alkalinity as CaCO ₃	mg/L, Max	234	APHA-24 th Edition 2023-2320-B, (Titration Method)	200	600
6	Calcium as Ca ⁺	mg/L, Max	45.22	APHA-24 th Edition 2023-3500-Ca-B, (EDTA Titrimetric Method)	75	200
7	Magnesium as Mg ⁺	mg/L, Max	20.18	APHA-24 th Edition 2023-3500-Mg-B, (EDTA Titrimetric Method)	30	100
8	Fluoride as F	mg/L, Max	0.14	APHA 24 th Ed. 2023-4500 F ⁻ C ₁ (Ion selective electrode method)	1.0	1.50
9	Colour	CU (Hazen)	10	APHA 24 th Edition 2023 (Visual Comparison Method)	5	15
10	Odour	—	Agreeable	IS 3025 (Part-5)	Agreeable	Agreeable
11	Iron as Fe	mg/L, Max	0.24	APHA 24 th Edition 2023-4500-II ⁺ B ₁ (1,10-phenanthroline Method)	1.0	No relaxation
12	Nitrate as NO ₃	mg/L, Max	3.4	APHA 24 th Edition 2023-4500-NO ₃ ⁻ B ₁ (Ultraviolet spectrophotometric screening Method)	45	No relaxation
13	Total Dissolved Solids at 180°C	mg/L, Max	225	APHA 24 th Edition 2023-2540 C (Total Dissolved Solids at 180°C)	500	2000
(B)	BIOLOGICAL PARAMETERS					
14	Total Coliform	CFU/100 mL	0	APHA 24 th Ed. 2023-3500 Fe B (Membrane Filter Technique)	Shall not be detectable in any 100 mL Sample	
15	Thermotolerant (Fecal) Coliform/ E.Coli	CFU/100 mL	0	APHA 24 th Ed. 2023-9222D (Membrane Filter Technique)	Shall not be detectable in any 100 mL Sample	

Remarks:-On the basis of these tested parameters submitted/collected water samples confirms IS 10500 Yes (✓) / No ()

Specific contractual notes:-

- 1.The results listed refer only to the tested sample and applicable parameter.
- 2.This report shall not be reproduced except in full without approval of the laboratory.
- 3.This report results apply to the sample as received.
- 4.This report, in full or in part, shall not be used for advertising or as evidence in any court of law.
- 5.Tested Sample shall be retained up to seven days from the date of issue of the test report
- 6.The liability of the laboratory is limited to the invoiced amount.
- 7.All disputes are subjected to the Hazaribagh Jurisdiction.
- 8.NOTE:- BDL=Below Detection Limit

Reviewed by Technical Manager (B.K.Prasad)

.....End of Report.....

Abhishek Kumar
20/4/2026
Quality Manager
District Level Water Testing Laboratory
D.W.S. Division, Hazaribagh