



District Level Water Testing Laboratory, Hazaribagh

Test Report

Report No : 18	Group :- Water	Report Issue Date : 08.01.2026
Discipline:- Chemical	Sub -Group: Drinking Water	SAMPLE CODE:- 01
Issued To:	PRINCIPAL ,SARAWATI SHISHU VIDYA MANDIR MALVIYA MARG,HAZARIBAGH	
Sample Description / Type	DRINKING WATER (G.W)	Sample Collected by: LAB REP MAHESH KUMAR
Sample Location	FINALOUTLET	Sample Quantity / Packing: 1 L PVC Bottle
Date of Sample Received	06.01.2026	Sample Temperature: 4 °C
Date of start of Analysis	06.01.2026	Humidity: 50±15 % RH
Date of Completion Analysis :	08.01.2026	Sampling Procedure: N/A
U/LR No-	N/A	

Test Result

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	-	7.42	APHA 23 rd Edition 2017-4500-IF B, (Electrometric Method)	6.5 - 8.5	No relaxation
2	Turbidity	NTU	2	APHA-23 rd Edition 2017-2130-A, (Nephelometric method)	1	5
3	Chloride (as Cl)	mg/L, Max	10	APHA-23 rd Edition 2017-4500- B, (Argentometric method)	250	1000
4	Total Hardness as CaCO ₃	mg/L, Max	250	APHA-23 rd Edition 2017-2340-C (EDTA Titrimetric method)	200	600
5	Total Alkalinity as CaCO ₃	mg/L, Max	260	APHA-23 rd Edition 2017-2320-B, (Titration Method)	200	600
6	Calcium as Ca ⁺	mg/L, Max	35.20	APHA-23 rd Edition 2017-3500-Ca-B, (EDTA Titrimetric Method)	75	200
7	Magnesium as Mg ⁺	mg/L, Max	20.28	APHA-23 rd Edition 2017-3500-Mg-B, (EDTA Titrimetric Method)	30	100
8	Fluoride as F	mg/L, Max	0.16	APHA 23 rd Ed.2017-4500 F C, (Ion selective electrode method)	1.0	1.50
9	Colour	CU (Hazen)	2	APHA 23 rd Edition (Visual Comparison Method)	5	15
10	Odour	--	Agreeable	IS 3025 (Part-5)	Agreeable	Agreeable
(B) BIOLOGICAL PARAMETERS						
11	Total Coliform	CFU/100 mL	0	APHA 23 rd Ed. 2017-9222B (Membrane Filter Technique)	Shall not be detectable in any 100 mL Sample	
12	Thermotolerant(Fecal) Coliform/ E.Coli	CFU/100 mL	0	APHA 23 rd Ed. 2017-9222D (Membrane Filter Technique)	Shall not be detectable in any 100 mL Sample	

Remarks:-According to above parameters Water is fit for drinking 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 results relate only to the items tested.
5. This report, in full or in part, shall not be used for advertising or as evidence in any court of law.
6. Tested Sample shall be retained up to seven days from the date of issue of the test report
7. The liability of the laboratory is limited to the invoiced amount.
8. All disputes are subjected to the Hazaribagh Jurisdiction.
9. NOTE:- BDL=Below Detection Limit

<p>Reviewed by</p> <div style="text-align: center;"> <p>B.K. Prasad 08/01/2026</p> </div> <p>Technical Manager</p>	<p>Authorized by</p> <div style="text-align: center;"> <p>Mahesh Kumar 08/01/2026</p> </div> <p style="text-align: center;">Quality Manager District Level Water Testing Laboratory D.W.S. Division, Hazaribagh</p>
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