



District Level Water Testing Laboratory, Palamau

Water Test Report

Report No. :- 039		Report Issue Date :- 27-05-2025			
Discipline :- Chemical				Group :- Water	
Issued To :- CAMBRIDGE PUBLIC SCHOOL, AT: RANCHI ROAD, NEAR DUBIYAKHAR CHOWK, MEDININAGAR, PALAMAU, JH				Sub – Group :- Drinking Water	
		SAMPLE CODE :- 3			
Sample Description / Type		G.W : DWNS	Sample Collected by: AAVANIRA BIOTECH	LAB REP	
Sample Location : DALTONGANJ		FINAL OUTLET	Sample Quantity/ Packing	2 L PVC Bottle	
Date of Sampling :		19.05.2025	Temperature	25±2° C	
Date of Start of Analysis		19.05.2025	Humidity	25±15 % RH	
Date of Completion Analysis		22.05.2025		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 PARAMETER					
1.	PH	-	6.88	APHA 23 rd Edition 2017-4500-H ⁺ B, (Electrometric Method)	6.5 - 8.5	No Relaxation
2.	Turbidity	NTU	1.2	APHA 23 rd Edition 2017-2130-A, (Nephelometric Method)	1	5
3.	Chloride (as Cl)	mg/L, Max	20	APHA 23 rd Edition 2017-4500-B, (Argentometric Method)	250	1000
4.	Total Hardness as CaCO ₃	mg/L, Max	200	APHA 23 rd Edition 2017-2340-C, (EDTA Titrimetric Method)	200	600
5.	Total Alkalinity as CaCO ₃	mg/L, Max	190	APHA 23 rd Edition 2017-2320-C, (Titration Method)	200	600
6.	Calcium as Ca ⁺	mg/L, Max	25.15	APHA 23 rd Edition 2017-3500-Ca-B, (EDTA Titrimetric Method)	75	200
7.	Magnesium as Mg ⁺	mg/L, Max	10.28	APHA 23 rd Edition 2017-3500-Mg-B, (EDTA Titrimetric Method)	30	100
8.	Fluoride as F	mg/L, Max	0.18	APHA 23 rd Ed. 2017-4500 F C, (Ion selective 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	NIL	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	NIL	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: -

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

Reviewed by

Authorized by

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[Signature]

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अवर प्रमंडल पदाधिकारी
लोक स्वास्थ्य विभाग

NOTE: AS PER REPORT OF REGISTERED VENDOR LAB AAVANIRA BIOTECH, PUNE

End of Reports.