



District Level Water Testing Laboratory, Palamu

Test Report

Report No. :- 046		Report Issue Date :- 18-07-2025	
Discipline :- Chemical		Group :- Water	
Issued To :- DELHI PUBLIC SCHOOL SHAHPUR, GREATER SHAHPUR, MEDININAGAR, PALAMU		Sub - Group :- Drinking Water	
		SAMPLE CODE :- 3	
Sample Description / Type		G.W	Sample Collected by
Sample Location		FINAL OUTLET	LAB REP
			2 L PVC Bottle
Date of Sampling		19.04.2025	Temperature
			25±2° C
Date of Start of Analysis		19.04.2025	Humidity
			25±15 % RH
Date of Completion Analysis		22.04.2025	
			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 palamu Jurisdiction.
- NOTE:- BDL=Below Detection Limit.

Reviewed by

Authorized by

(Signature)
अवर प्रमंडल पर्यायका
लोक स्वास्थ्य विभाग

(Signature)
18/7/2025

...End of Reports...