



Water Samples Analysis Report


Date: 10/07/2025

Name and Address of Customer	The School of Scholars Khamla, Atrey Lay-out NAGPUR-440022		
Sample Description / Type	Drinking Water	Sample Collected by	Client
Sampling location	-	Sample Quantity/ Packing	: L X 2 Nos. (HDPE Bottles) 500 mL X 2 Nos. (HDPE Bottles) 100 mL X 2 Nos. (HDPE Bottles)
Date of Sampling	Samples provided by client	Date of Receipt of Sample	25/06/2025
Sampling Procedure	APHA-1060 B		
Date of Start of Analysis	25/06/2025	Date of Completion of Analysis	03/07/2025

Sr. No.	Parameters	Results		Method Reference	BIS: 10500-2012 Desirable/ Permissible limit
		Well Water	Tap Water		
Physico-chemical Parameters					
1.	pH	7.8	8.1	APHA-24 th Edition 2023-4500-H ⁺ B	6.5-8.5
2.	Electrical Conductivity (µS/cm)	488	212	APHA-24 th Edition 2023-2510-B	-
3.	Total Dissolved Solids (TDS) (mg/L)	293	127.2	APHA-24 th Edition 2023-2540-C	500-2000
4.	Turbidity (NTU)	0.8	0.3	APHA-24 th Edition 2023-2130-B	1-5
5.	Total Alkalinity as CaCO ₃ (mg/L)	168	80	APHA-24 th Edition 2023-2320-B	200-600
6.	Total Hardness as CaCO ₃ (mg/L)	212	92	APHA-24 th Edition 2023-2340-C	200-600
7.	Calcium as Ca ²⁺ (mg/L)	46.4	20.8	APHA-24 th Edition 2023-3500-Ca-B	75-200
8.	Magnesium as Mg ²⁺ (mg/L)	23	10	APHA-24 th Edition 2023-3500-Mg-B	30-100
9.	Chloride as Cl ⁻ (mg/L)	20	10	APHA-24 th Edition 2023-4500-Cl ⁻ -B	250-1000
10.	Sulphate as SO ₄ ²⁻ (mg/L)	21	8	APHA-24 th Edition 2023-4500-SO ₄ -E	200-400
11.	Sodium as Na ⁺ (mg/L)	15	6	APHA-24 th Edition 2023-3500-Na-B	-
12.	Potassium as K ⁺ (mg/L)	1.9	1.5	APHA-24 th Edition 2023-3500-K-B	-
13.	Fluoride as F ⁻ (mg/L)	0.3	0.2	APHA-24 th Edition 2023-4500-F-C	1.0-1.5
14.	Phosphate as PO ₄ ³⁻ (mg/L)	1	0.5	APHA-24 th Edition 2023-4500-P-D	-
15.	Nitrate as NO ₃ ⁻ (mg/L)	6.4	0.9	APHA-24 th Edition 2023-4500-NO ₃ -B	0-45
Bacteriological Parameters					
16.	Total Coliforms* CFU/100ml	<u>40</u>	<u>76</u>	APHA-24 th Edition 2023-9222-B	Shall not be detectable in any 100 ml. sample
17.	Thermo tolerant Coliforms* (Faecal Coliforms) CFU/100ml	0	0	APHA-24 th Edition 2023-9222-D	

Note: * Parameters not included in NABL scope.

Results mentioned as **bold and underlined** are found to be above the permissible limits of BIS: 10500-2012.


Manager
School of Scholars
Atrey Layout, Nagpur.


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