

RESEARCH & DIAGNOSTIC CENTRE



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(Kerala State Pollution Control Board Approved Laboratory APPROVAL NO : PCB/LAB/CI0/2023)

Water Analysis Report

AR No: 81/PCB/2023-24

Date: 1/07/2025

Holycross Convent School Nedumkandam 9446934611	Date & Time of sample collection : 27/06/2025 & 11.15 am		
	Domestic Establishment ✓		
	Sample collected by : Prajeesh HI		
	Sample Delivered by : Sr. Jestina		
Source of Sample : Open Well		Date & Time of delivery : 27/06/2025 & 1.35 pm	
Sample container : 1 L Bottle		Sample received by : Balu	
Type of Test	✓ Chemical	✓ Microbiological	Period of Analysis : 4 days

Sl. No	Parameter	Unit	Test Method APHA	Result	Acceptable Limit as per IS 10500
Physical Examination					
1	Colour	Hazen	2120 B	1	5
2	Electrical Conductivity	µS/cm	2510B	20.3	-
3	Turbidity	NTU	2130 B	0.9	1
4	Total Dissolved Solid	mg/L	2540 C	11	500
Chemical Examination					
5	pH		4500 H ⁺ B	5.35	6.5-8.5
6	Total Alkalinity	mg/L		12	200
7	Total Hardness as CaCO ₃	mg/L	2340 C	12	200
8	Calcium Hardness as CaCO ₃	mg/L	3500 Ca B	4	-
9	Magnesium Hardness as CaCO ₃	mg/L	3500 Mg B	8	-
10	Calcium	mg/L	3500 Ca B	1.6	75
11	Magnesium	mg/L	3500 Mg B	1.9	30
12	Chloride	mg/L	4500 Cl ⁻ B	16	250
13	Sulphate	mg/L	4500 SO ₄ E	0.29	200
14	Iron	mg/L	3500 Fe B	0.11	1.0
15	Ammonia as NH ₃	mg/L	4500 NH ₃ F	0.01	0.5
16	Nitrate as NO ₃	mg/L	4500 NO ₃ E	0.92	45
Bacteria					
17	Total Coliform	cfu/100ml	9222 B	Nil	Nil/100ml
18	Fecal Coliform	cfu/100ml	9222 D	Nil	Nil/100ml
19	E. coli	cfu/100ml	9222 I	Absent	Absent

Remark:

- pH is lower than the acceptable limit.
- All the other tested water quality parameters are found to be within the acceptable limit as per IS 10500 drinking water specification.

Chemist

Microbiologist

Dr S. Hamza PhD

Note: The above results are related to only particular sample(s) submitted for testing. The report is of the sample tested and shall not be reproduced except in

