

## Water Analysis Report

AR No: AR/PL/5825/2024

Date: 03/06/2024

**St. Mary's English Medium School  
Kodanchery**

Date & Time of sample collection: 30/05/2024,  
08.30 am

Domestic ✓ Establishment

Sample collected by: HI, FHC Kodanchery

Sample delivered by: Siljo Abraham

Date & Time of delivery: 30/05/2024, 01.00 pm

Source of Sample : Open well

Sample received by : Krishnapriya

Sample container : 1L Bottle

Sample condition : Normal

Type of Test : Chemical ✓ Microbiological ✓

Period of Analysis : 5 days

Sl No	Parameter	Unit	Test method APHA	Results	Acceptable limit as per IS 10500
<b>Physical Examination</b>					
1	Colour	Hazen	2120 B	1	5
2	Electrical conductivity	µS/cm	2510 B	50	-
3	Turbidity	NTU	2130 B	0.1	1
4	Total Dissolved solids	mg/L	2540 C	30	500
<b>Chemical Examination</b>					
5	pH	-	4500 H+B	7	6.5-8.5
6	Total Alkalinity	mg/L	2320 B	32	200
7	Total Hardness as CaCO <sub>3</sub>	mg/L	2340 C	24	200
8	Calcium Hardness as CaCO <sub>3</sub>	mg/L	3500 Ca B	20	-
9	Magnesium Hardness as CaCO <sub>3</sub>	mg/L	3500 Mg B	4	-
10	Calcium	mg/L	3500 Ca B	8.016	75
11	Magnesium	mg/L	3500 Mg B	0.972	30
12	Chloride	mg/L	4500 Cl <sup>-</sup> B	20	250
13	Sulphate	mg/L	4500 SO <sub>4</sub> E	3.1	200
14	Iron	mg/L	3500 Fe B	BDL	1
15	Ammonia as NH <sub>3</sub>	mg/L	4500NH <sub>3</sub> F	BDL	0.5
16	Nitrate as NO <sub>3</sub>	mg/L	4500NO <sub>3</sub> E	0.2	45
<b>Bacteriology</b>					
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

BDL-Below detectable limit: Below detectable limit of Iron and Ammonia are 0.05mg/l.

### Remarks

All tested water quality parameters are found to be within the acceptable limit as per IS 10500 drinking water specification.



*Jalim*  
Authorized signatory

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