

ENVIRONMENT LABORATORY

465 Approved by: Kerala State Pollution Control Board

Approval No.: PCB/CL/RL/34/2021

No. IRTC/311/ENVL/ WS826/23

WATER QUALITY ANALYSIS REPORT


Name and Address of the Client	Location/Sample Code	Date of receipt	Source of sample
The Manager S.T Xaviers Central School Mangalampadam	Not Given	27/07/2023	Open Well
		Sample No	Date of report
		WS826	31/07/2023

Sl. No	Parameter	Unit	Test Result	Acceptable Limit For Drinking Water as per IS 10500:2012
01	pH @ 25°C	-	5.3	6.5-8.5
02	EC @ 25°C	µs/cm	127	-
03	TDS	ppm	65	500
04	Turbidity	NTU	0.1	05
05	Alkalinity as mg CaCO ₃ /L	mg/L	25	200
06	Chloride	mg/L	15	250
07	Total Hardness as mg CaCO ₃ /L	mg/L	30	200
08	Calcium	mg/L	4.8	75
09	Magnesium	mg/L	4	30
10	Fluoride	mg/L	0.3	1.0
11	Total Iron	mg/L	0.1	0.3
12	Sulphate	mg/L	<1	150
13	Total Coliform	MPN/100 ml	8	Absent
14	E.coli	-	Absent	Absent

Tested in accordance with : APHA, AWWA, WEF 2017


- EC - Electrical Conductivity, TDS - Total Dissolved Solids, NTU-Nephelometric turbidity unit, MPN- Most Probable Number, µs-Micro siemens, BIS-Bureau of Indian Standards, mg/L- milligram per litre
- Coliform & E. coli should not be present in 100 ml of sample as per BIS standard.

Disclaimer: The sample was taken and brought to the lab by the person with name and address mentioned above and not by IRTC.


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