



IRTC

Integrated Rural Technology Centre

Grant-in-aid institution of KSCSTE, Government of Kerala



Mundur (PO), Palakkad (Dist.), Kerala



0491-2832663, 2832324, 9188183296



mail@irtc.org.in



www.irtc.org.in

ENVIRONMENT LABORATORY

Approved by: Kerala State Pollution Control Board

Approval No.: PCB/CL/RL/34/2023

No. IRTC/311/ENVL/WS250729/25

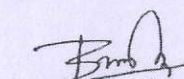
WATER QUALITY ANALYSIS REPORT

Name and Address of the Client	Location/Sample Code	Date of receipt	Source of sample
Principal St. Mary's Bethany School Karimba	Not Given	17/06/2025	Open Well
		Sample No	Date of report
		WS250729	30/06/2025

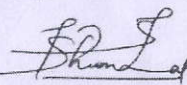
Sl. No	Parameter	Unit	Test Result	Acceptable Limit For Drinking Water as per IS 10500:2012	Test Method
01	pH @ 25°C	-	6.0	6.5-8.5	IS 3025(Part 11):2022
02	EC @ 25°C	µs/cm	135	-	IS 3025(Part 14):2013
03	TDS	ppm	72	500 (max)	IS 3025(Part 16):2023
04	Turbidity	NTU	0.1	05 (max)	IS 3025(Part 10):2023
05	Alkalinity as mg CaCO ₃ /L	mg/L	35	200 (max)	IS 3025(Part 23):2023
06	Chloride	mg/L	9	250 (max)	IS 3025(Part 32):1988
07	Total Hardness as mg CaCO ₃	mg/L	42	200 (max)	IS 3025(Part 21):2009
08	Calcium	mg/L	9.6	75 (max)	IS 3025(Part 40):1991
09	Magnesium	mg/L	4.4	30 (max)	IS 3025(Part 46):2023
10	Fluoride	mg/L	0.1	1.0 (max)	IS 3025(Part 60):2008
11	Total Iron	mg/L	0.1	0.3 (max)	IS 3025(Part 14):2013
12	Sulphate	mg/L	<1	150 (max)	IS 3025(Part 24):2022
13	Nitrate	mg/L	2	45 (max)	APHA, AWWA, WEF 2017
14	Total Coliform	MPN/100 ml	33	Absent /100ml	APHA, AWWA, WEF 2017
15	E.coli	-	Absent	Absent/100ml	APHA, AWWA, WEF 2017

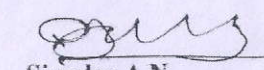
- EC - Electrical Conductivity; TDS - Total Dissolved Solids; NTU-Nephelometric turbidity unit; MPN- Most Probable Number;
- µs- Micro siemens; BIS-Bureau of Indian Standards; mg/L- milligram per litre
- Coliform & E. coli should not be present in 100 ml of sample as per BIS standard.

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


Ajana Raju
Chemist




Shiona Sunil
Microbiologist


Sivadas AN
Head Of Laboratory