

TIES



TROPICAL INSTITUTE OF ECOLOGICAL SCIENCES

ISO 9001:2015; ISO 17020:2012 Certified organization

Ecological Research Campus, Velloor P.O., Kottayam. 686 501. Kerala, India

Tel: - 9497290339, 9633723305. 0481- 2957050

Email: tropicalschool@gmail.com; info@ties.org.in

Approved Research Centre: Mahatma Gandhi University, Kottayam

Approved laboratory of Pollution Control Board

LABORATORY ANALYSIS REPORT

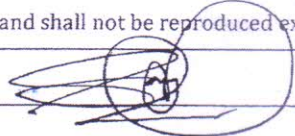
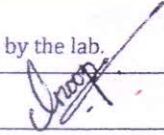
Report No.: TIES/LA/W/107/25

Date : 30.05.2025

Client Name & Address	SAMPLE DETAILS	
St. Joseph Public School Kunnumbhagam Kanjirappally Kottayam	1. Date of Receipt of sample :	22.05.2025
	2. Sampling done by	CLIENT
	3. Sample submitted to the lab by	CLIENT
	4. Sample code	F-4891/TIES/2025
	5. Source of sample	Well water
	6. Sample quantity	2L
	7. Sample condition	Acceptable for Tests
	8. Period of analysis: 22 nd May to 30 th May 2025	

Sl. No.	Parameter	Unit	Test Method APHA/IS 3025	Desirable limit for drinkingwater (IS 10500:2012)	Limit of detection	Test result of the sample
Physical Characteristics						
1	Colour	HU	APHA 2120-B	5	1 to 100	1
2	Odour	-	IS 3025 (Part 5)-2018	-	Agreeable	Agreeable
3	Taste	-	IS 3025 (Part 8)-1984 (2023 reaffirmed)	-	Agreeable	Agreeable
4	Turbidity	NTU	IS 3025 (Part 10)-1984 (2023 reaffirmed)	1	5	1
5	Electrical conductivity	µS/cm	APHA 2510-B	110	-	110.3
6	Total Dissolved Solids [TDS] (at 180°C)	mg/l	IS 3025 (Part 16)-1984 (2023 reaffirmed)	500	2000	70.8
Chemical characteristics						
7	pH (at 25°C)	-	IS 3025 (Part 11)-1984 (2022 reaffirmed)	6.5-8.5	2 to 12	5.31
8	Total alkalinity (as CaCO ₃)	mg/l	IS 3025 (Part 23)-1986 (2019 reaffirmed)	200	5 to 2000	15
9	Total Hardness (as CaCO ₃)	mg/l	IS 3025 (Part 21)-2009 (2019 reaffirmed)	200	1 to 5000	35
10	Calcium (as Ca ⁺)	mg/l	IS 3025 (Part 40)-1991 (2019 reaffirmed)	75	1 to 2000	10
11	Magnesium (as Mg ⁺)	mg/l	APHA 3500 B (Mg)	30	1 to 1000	25
12	Chloride (as Cl ⁻)	mg/l	IS 3025 (Part 32)-1988 (2019 reaffirmed)	250	1 to 5000	24.85
13	Total Iron (as Fe ⁺)	mg/l	APHA 3500 B (Fe)	0.3	1.0	0.17
Microbiological characteristics (bacteria)						
14	Total coliforms(TC)	MPN/100ml	IS1622-1981 (1996reaffirmed)	0	0 to 2400	0
15	Faecal Coliforms (FC)	MPN/100ml	IS1622-1981 (1996reaffirmed)	0	0 to 2400	0
16	E.coli	-	IS1622-1981 (1996reaffirmed)	0	Present/absent	Absent

This report is of the sample tested only and shall not be reproduced except in full. Sampling is not done by the lab.

Authorised signatory/ Lab in charge		Verified by	
--	---	-------------	---

Self attested




Self attested

Office seal



www.ties.org.in

Annexure C

PROFORMA FOR SAFE DRINKING WATER AND SANITARY CONDITION CERTIFICATE

No.

Dated: 25.09.2025

It is certified that an inspection team headed by Dr. Savan Sara Mathew, Superintendent

(Name of Officers with designation) from GH Kanjirappally PHED

inspected the Premises of St. Joseph's Public School

(Name & Address of the school) on 25.08.2025 (date of inspection) and on the basis of

Water Test Report (Attached) bearing no. TIES/LA/W/107/25 dated 30.5.2025

of Tropical Institute of Ecological Studies (PHED Lab) certified that the

St. Joseph's Public School (Name of school) has safe drinking water

facilities for the students and members of staff of the institution. School is also maintains the hygienic sanitation condition in the school building & the campus as per norms prescribed by the Central/ State/ U.T. Govt.

This certificate is valid till 2025 to 2026
31.3.2026

Signature with Seal:

Name

Designation

Name & Address of the Office/Department

Dr. SAVAN SARA MATHEW, MBBS, MD

TGMC.66605

Assistant Director of Health Services

Superintendent

General Hospital Kanjirappally

To St. Joseph's Public School

(Name & Address of the Institution)



Note: The certificate is to be issued by authorized officers / PHED Lab / local bodies

Self attested
Savan

Self attested
S. S. S. S.

