Government Analysts' Laboratory
Commissionerate of Food Safety
Department of Health and Family Welfare
Thiruvananthapuram
Ph: No. 0471-2472192

Report No. 2650214/2026-27

Dated: 19.05.2026

ULR No. TC 545526000003289F

Chemical & biological Testing - Water

TEST REPORT

Description of Sample: Bore well water received in plastic bottle and sterile bottle.
Address : **Manager, Model Public School, Pallippuram, Tvpm – 695 316.**
Date of Receipt : 04.05.2026
Date of Analysis : Started on 06.05.2026 and completed on 15.05.2026
Quantity of Sample : 2L + 125 ml
Physical Appearance : Clear liquid.

Sl. No.	*Characteristics*	*Name of method of test used*	*Result*	*Acceptable limit as per IS No. 10500:2012 (with amendment nos.1,2,3 & 4)*
1.	Colour (Hazen Unit)	IS 3025 Part 4:2021	BDL (LOD-2.0 HU)	*Maximum* 5
2.	Odour	FSSAI Manual for analysis of water 2016-section A-I (2)	Agreeable	Agreeable
3.	pH	IS 3025 Part 11:2022	6.5	6.5 to 8.5
4.	Total Dissolved Solids (mg/l)	FSSAI Manual for analysis of water 2016-section A-I (6)	64.14	*Maximum* 500.0
5.	Total Hardness as (as $CaCO_3$) (mg/l)	IS 3025 Part 21:2009; RA 2019	6.0	*Maximum* 200.0
6.	Alkalinity (mg/l)	IS 3025 Part 23: 2023;RA 2019	4.98	*Maximum* 200.0
7.	Iron (as Fe) (mg/l)	APHA 24th Edition 2023 (3500 Fe -B)	BLQ (LOQ-0.2 mg/l)	*Maximum* 1.0
8.	Chloride (as Cl) (mg/l)	IS 3025 Part 32: 1988; RA 2019	25.9	*Maximum* 250.0
9.	Sulphate (as SO4) (mg/l)	APHA 24th edition 2023 ($4500 – SO_4^{2-}$ - E)	5.87	*Maximum* 200.0
10.	Nitrate (as NO_3) (mg/l)	APHA 24th Edition 2023 ($4500 – NO_3^-$ -B)	17.58	*Maximum* 45.0
11.	Ammonia (as total ammonia –N) (mg/l)	APHA 24th Edition 2023 ($4500 – NH_3$ -F)	BLQ (LOQ-0.1 mg/l)	*Maximum* 0.5
12.	Turbidity (NTU)	IS 3025 Part10 : 2023	0.24	*Maximum* 1.0
13.	Coliforms	FSSAI 15.025:2024	Absent/100 ml	-----
14.	E.coli	FSSAI 15.025:2024	Absent/100 ml	Absent /100 ml

(BDL-Below Detection Limit, LOD-Limit of Detection; BLQ-Below Limit of Quantification; LOQ- Limit of Quantification)

Opinion: വെള്ളത്തിന്റെ പരിശോധനാഫലം തൃപ്തികരം.

Food Analyst

Note:

1. *The test report relates to the tested parameters and tested item (as received) only.*
2. *The report shall not be reproduced except in full without the approval of the laboratory*

FOOD ANALYST TO GOVERNMENT