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

TC-5455

Report No. 2650198/2026-27 ***Dated: 04.06.2026***

ULR No. TC 545526000003076F

Chemical & Biological Testing - Water

TEST REPORT

Description of Sample : Bore well water received in plastic can and sterile bottle
Address : **The Principal, Mar Ivanios Bethany Vidyalaya Senior Secondary, Bhaskar Nagar, Venpakal.P.O. Thiruvananthapuram – 695 123**
Date of Receipt : 30.04.2026
Date of Analysis : Started on 30.04.2026 and completed 02.06.2026
Quantity of sample : 2 L+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-2.0HU	5
2.	Odour	FSSAI Manual for analysis of water 2016-section A-I (2)	Agreeable	Agreeable
3.	pH	IS 3025 Part 11:2022	7.20	6.5 to 8.5
4.	Total Dissolved Solids (mg/l)	FSSAI Manual for analysis of water 2016-section A-I (6)	79.83	Maximum 500.0
5.	Total Hardness as (as $CaCO_3$) (mg/l)	IS 3025 Part 21:2009; RA 2019	20.0	Maximum 200.0
6.	Alkalinity (mg/l)	IS 3025 Part 23:2023/IS 3025 Part 22:1986; RA 2019	9.44	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	44.76	Maximum 250.0
9.	Sulphate (as SO_4) (mg/l)	APHA 24th Edition 2023 (4500 $-SO_4^{2-}$ -E)	BLQ LOQ-5.0 mg/l	Maximum 200.0
10.	Nitrate (as NO_3) (mg/l)	APHA 24th Edition 2023 (4500- NO_3^- -B)	BLQ LOQ-1.0 mg/l	Maximum 45.0
11.	Ammonia as (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 Part 10:2023	0.49	Maximum 1.0
13.	Coliforms	FSSAI 15.025:2024	Absent/100ml	----
14.	E.Coli	FSSAI 15.025:2024	Absent/100ml	Absent/100ml

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

Opinion: വെള്ളത്തിന്റെ പരിശോധനാഫലം തൃപ്തികരം.

Food Analyst

FOOD ANALYST TO GOVERNMENT OF THIRUVANANTHAPURAM

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

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