



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



Report No. 2650107/2026-27

Dated: 30.05.2026

ULR No. TC 545526000002786F

Chemical & biological Testing - Water

TEST REPORT

Description of Sample: Well water received in plastic bottle and sterile bottle.
Address : **Chinmaya Vidyalaya Attukal.**
Date of Receipt : 21.04.2026
Date of Analysis : Started on 23.04.2026 and completed on 23.05.2026
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	6.58	6.5 to 8.5
4.	Total Dissolved Solids (mg/l)	FSSAI Manual for analysis of water 2016-section A-I (6)	22.38	Maximum 500.0
5.	Total Hardness as (as CaCO ₃) (mg/l)	IS 3025 Part 21:2009; RA 2019	8.0	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 24 th 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	7.8	Maximum 250.0
9.	Sulphate (as SO ₄) (mg/l)	APHA 24 th edition 2023 (4500 – SO ₄ ²⁻ - E)	7.50	Maximum 200.0
10.	Nitrate (as NO ₃) (mg/l)	APHA 24 th Edition 2023 (4500 – NO ₃ ⁻ -B)	BLQ (LOQ-1.0 mg/l)	Maximum 45.0
11.	Ammonia (as total ammonia -N) (mg/l)	APHA 24 th Edition 2023 (4500 – NH ₃ -F)	BLQ (LOQ-0.1 mg/l)	Maximum 0.5
12.	Turbidity (NTU)	IS 3025 Part10 : 2023	0.94	Maximum 1.0
13.	Coliforms	FSSAI 15.025:2024	Absent/100 ml	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 യുക്തികരം.

[Signature]
3/6/26 Food Analyst

Note:

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

