



Report No. 2650802 /2026-27

Dated: 29.07.2026

ULR No. TC 545526000005365F

Chemical & Biological Testing - Water

TEST REPORT

Description of Sample : Water Authority water received in plastic can and sterile bottle
Address : P.M. Shri.K.V. SAP, Peroorkada, Thiruvananthapuram
Date of Receipt : 07.07.2026
Date of Analysis : Started on 08.07.2026 and completed on 29.07.2026
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
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 value	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)	26.14	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/IS 3025 Part 22:1986; RA 2019	4.12	Maximum 200.0
7.	Iron (as Fe) (mg/l)	APHA 24 th Edition 2023(3500 Fe-B)	BLQ LOQ-0.2mg/l	Maximum 1.0
8.	Chloride (as Cl) (mg/l)	IS 3025 Part 32: 1988; RA 2019	15.18	Maximum 250.0
9.	Sulphate (as SO ₄) (mg/l)	APHA 24 th Edition 2023 (4500 -SO ₄ ²⁻ -E)	BLQ LOQ-5.0 mg/l	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 (as total ammonia -N) (mg/l)	APHA 24 th Edition 2023 (4500-NH ₃ -F)	BLQ LOQ-0.1mg/l	Maximum 0.5
12.	Turbidity, NTU	IS 3025 Part 10:2023	0.29	Maximum 1.0
13.	Coliforms	FSSAI 15.025:2024	Absent/100ml	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.

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

- End of the Report -

प्राचार्य / PRINCIPAL

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