



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



Report No. 30004 Part A /2025-26

Dated: 23.06.2025

ULR No. TC 545525000002896F

Chemical Testing - Water

TEST REPORT

Description of Sample: KWA water received in plastic can.
Address : Arya Central School, Aryakumar Ashram, Pattom, Trivandrum – 695 004.
Date of Receipt : 26/05/2025
Date of Analysis : Started on 17.06.2025 and completed on 20.06.2025
Quantity of Sample : 2L
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 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	7.9	6.5 to 8.5
4.	Total Dissolved Solids (mg/l)	FSSAI Manual for analysis of water 2016-section A-I (6)	132.8	Maximum 500.0
5.	Total Hardness as (as CaCO ₃) (mg/l)	IS 3025 Part 21:2009; RA 2019	58.0	Maximum 200.0
6.	Alkalinity (mg/l)	IS 3025 Part 23:2023;RA 2019	14.64	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	15.88	Maximum 250.0
9.	Residual free chlorine (mg/l) (LOD-0.2 mg/l)	IS 3025 Part 26 : 2021	0.2	Minimum 0.2
10.	Nitrate (as NO ₃) (mg/l)	APHA 24 th Edition 2023 (4500 – NO ₃ -B)	1.94	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

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

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.
3. Complete report includes both Part A and Part B

---End of the Report---


MANAGER
ARYA CENTRAL SCHOOL
ARYAKUMAR ASHRAM, PATTOM
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