



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



Report No.30646 Part A /2024-25


Dated: 12.08.2024
ULR No. TC 545524000002905F
Chemical Testing - Water

TEST REPORT

Description of Sample : **Pipe line (Municipality Water)**
Sample details : The sample received in plastic can
Source : **Holy Spirit School, Poonkulam, Vellayani.P.O., Trivandrum - 695 522**
Date of Receipt : 03.07.2024
Date of Analysis : Started on 06.08.2024 and completed on 09.08.2024
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-2.0HU	5
2.	Odour	FSSAI Manual for analysis of water 2016-section A-I (2)	Agreeable	Agreeable
3.	pH	IS 3025 Part 11:2022	7.19	6.5 to 8.5
4.	Total Dissolved Solids (mg/l)	FSSAI Manual for analysis of water 2016-section A-I (6)	67.41	Maximum 500.0
5.	Total Hardness as (as CaCO ₃) (mg/l)	IS 3025 Part 21:2009; RA 2019	36.0	Maximum 200.0
6.	Alkalinity (mg/l)	IS 3025 Part 23:2023/IS 3025 Part 22:1986; RA 2019	24.0	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	23.52	Maximum 250.0
9.	Sulphate (a SO ₄) (mg/l)	APHA 24 th Edition 2023 (4500 -SO ₄ ²⁻ -E)	11.25	Maximum 200.0
10.	Residual Free Chlorine (mg/l)	IS 3025 Part 26:2021	0.2	Minimum 0.2
11.	Nitrate (as NO ₃) (mg/l)	APHA 24 th Edition 2023 (4500- NO ₃ ⁻ -B)	BLQ LOQ-1.0 mg/l	Maximum 45.0
12.	Ammonia as (as total ammonia -N) (mg/l)	APHA 24 th Edition 2023 (4500-NH ₃ -F)	BLQ LOQ-0.1 mg/l	Maximum 0.5
13.	Turbidity (NTU)	IS 3025 Part 10:2023	0.24	Maximum 1

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


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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 -



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Report No.30646 Part B /2024-25


Dated:12.08.2024

TEST REPORT

Description of Sample : **Pipe line (Municipality Water)**
Sample details : The sample received in a sterile bottle
Source : **Holy Spirit School, Poonkulam, Vellayani.P.O., Trivandrum – 695 522**
Date of Receipt : 03.07.2024
Date of Analysis : Started on 09.07.2024 and completed on 11.07.2024
Quantity of Sample : 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	Coliforms	IS 1622 -1981 Reaffirmed 2019	<2 MPN/ 100 ml	<2 MPN/100ml
2	E.Coli	IS 1622 -1981 Reaffirmed 2019	Absent/100 ml	Absent/100ml

Opinion: വെള്ളത്തിന്റെ പരിശോധനാഫലം തൃപ്തികരം.


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