



GOVERNMENT OF KERALA

Government Analysts' Laboratory
Commissioner of Food Safety
Department of Health and Family Welfare
Thiruvananthapuram. Dated 25.04.2024
Ph: No. 0471-2472192

No.21110/2023-24

TEST REPORT

Description of Sample: **Well**
Sample details : The sample received in plastic bottle and sterile bottle
Source : **Principal, Model Public School, Pallipuram .P.O, TVM-695 316.**
Date of Receipt : 20.03.2024
Date of Analysis : Started on 23.03.2024 and completed on 25.04.2024
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 HU)	5
2.	Odour	FSSAI Manual for analysis of water 2016-section A-I (2)	Agreeable	Agreeable
3.	pH	IS 3025 Part 11:2022	7.08	6.5 to 8.5
4.	Total Dissolved Solids (mg/l)	FSSAI Manual for analysis of water 2016-section A-I (6)	55.07	500.0
5.	Total Hardness as (as CaCO ₃) (mg/l)	IS 3025 Part 21:2009; RA 2019	8.0	200.0
6.	Alkalinity (as CaCO ₃) (mg/l)	IS 3025 Part 23:2023 RA 2019	8.0	200.0
7.	Iron (as Fe) (mg/l)	AOAC	0.1	1.0
8.	Chloride (as Cl) (mg/l)	IS 3025 Part 32: 1988; RA 2019	19.37	250.0
9.	Sulphates (a SO ₄) (mg/l)	APHA 24 th Edition 2023 (4500 -SO ₄ ²⁻ -E)	BLQ (LOQ-5.0 mg/l)	200.0
10.	Ammonia as (as total ammonia -N) (mg/l)	IS 3025	Nil	0.5
11.	Turbidity (NTU)	IS 3025 Part 10:2023	0.75	1.0
12.	Coliforms	IS 1622 -1981 Reaffirmed 2019	<2 MPN/ 100 ml	<2 MPN/100 ml
13.	E.Coli	IS 1622 -1981 Reaffirmed 2019	Absent/100 ml	Absent /100 ml

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

Opinion: വെള്ളത്തിന്റെ പരിശോധനാഫലം തൃപ്തികരം.

Food Analyst

Note: 1. The test report relates to the tested parameters and tested item (as received) only.
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