



TC 6793



GOVERNMENT OF KERALA

REGIONAL ANALYTICAL LABORATORY
KAKKANAD, ERNAKULAM, PIN - 682030.
E-mail: regionalanalyticalabernakulam@gmail.com

TEST REPORT

Report No.10266/A/25-26

ULR No:TC67932500002896F

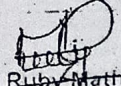
Issue Date: 18.06.2025

Particulars of the sample: Drinking Water (Well)	Name & Address of Customer: The Principal, Jama-Ath Residential Public School, Thrikkakara P O Padamugal, Kakkannad, Ernakulam - 682021
Date of receipt of sample: 13.06.2025	
Date of Analysis: 16.06.2025 - 18.06.2025	
Condition of Sample: Fit for Analysis	Sample Quantity received: 2 L + 125 ml
Sample Description: Clear, Colourless, Odourless liquid	Type of packing: Plastic Can + Sterile Bottle

CHEMICAL TESTING

Sl No.	Parameters	Test Method	Unit	Result	Acceptable Limit as per IS 10500 : 2012 (With Amendment No. 1, 2, 3 & 4)
1.	pH value	FSSAI Manual of Methods of Analysis of Foods-Water, 2016	---	6.64	6.5-8.5
2.	Turbidity	FSSAI Manual of Methods of Analysis of Foods-Water, 2016	NTU	0.59	Max. 1.0
3.	Total Alkalinity (as CaCO ₃)	FSSAI Manual of Methods of Analysis of Foods-Water, 2016	mg/l	20.88	Max. 200
4.	Total Hardness (as CaCO ₃)	APHA 2340, 24 th Edition	mg/l	12.06	Max. 300
5.	Calcium (as Ca)	APHA 3500 Ca, 24 th Edition	mg/l	3.22	Max. 75
6.	Magnesium (as Mg)	APHA 3500 Mg, 24 th Edition	mg/l	0.98	Max. 30
7.	Sulphates (as SO ₄)	Official Methods of AOAC, Volume I, Method No. 973.57, 22 nd Edition	mg/l	15.09	Max. 200
8.	Fluoride (as F)	APIIA 4500-F.D, 24 th Edition	mg/l	0.25	Max. 1.0
9.	Chloride (as Cl)	FSSAI Manual of Methods of Analysis of Foods-Water, 2016	mg/l	15.65	Max. 250
10.	Nitrate (as NO ₃)	APHA 4500 NO ₃ B, 24 th Edition	mg/l	5.00	Max. 45
11.	Total Dissolved Solids	FSSAI Manual of Methods of Analysis of Foods-Water, 2016	mg/l	75.00	Max. 500
12.	Iron (as Fe)	APHA 3500 Fe B, 24 th edition	mg/l	Below LOQ (LOQ = 0.1mg/l)	Max. 1.0
13.	Ammonia (as total ammonia - N)	APHA 4500 NH ₃ F, 24 th edition	mg/l	Below LOQ (LOQ = 0.1mg/l)	Max. 0.5

LOQ = Limit of Quantification
Opinion: Satisfactory


Ruby Mathew
Authorized Signatory

Note

1. The test report relates to the tested parameters and to the tested item (as received) only.
2. The report shall not be reproduced except in full without approval of the Laboratory.
3. In Test report the decision rule of the laboratory is applied as and when required.
4. The complete report includes both A and B reports.

-End of the Report-





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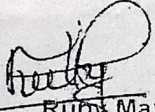
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Sample Description : Clear, Colourless, Odourless liquid	Type of packing : Plastic Can + Sterile Bottle

MICROBIOLOGICAL TESTING

Sl No.	Parameters	Test Method	Result	Acceptable Limit as per IS 10500 : 2012 (With Amendment No. 1, 2, 3 & 4)
1	Coliforms	FSSAI Manual of Methods of Analysis - Microbiological Examination of Food & Water Part C, FSSAI 15 025:2024	Absent/100ml	Shall not be detectable in 100 ml
2	E.coli	FSSAI Manual of Methods of Analysis - Microbiological Examination of Food & Water Part C, FSSAI 15 025:2024	Absent/100ml	


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