



TC-6793



RAL/TR/PVT

## GOVERNMENT OF KERALA

REGIONAL ANALYTICAL LABORATORY  
KAKKANAD, ERNAKULAM, PIN – 682030.

E-mail: regionalanalyticalabernakulam@gmail.com

TEST REPORT

Report No.10312/A/25-26

ULR No:TC679325000003204F

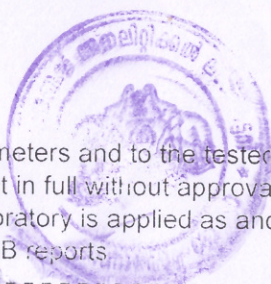
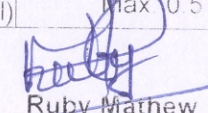
Issue Date. 09.07.2025

Particulars of the sample : Drinking Water (Well)		Name & Address of Customer : The Principal, Hill Valley School, Changampuzha Nagar P.O., Thrikkakara, Ernakulam – 682033.			
Date of receipt of sample : 27.06.2025					
Date of Analysis : 28.06.2025 – 08.07.2025					
Condition of Sample : Fit for Analysis					
Sample Description : Clear, Colourless, Odourless liquid		Sample Quantity received : 2 L+ 125 ml			
		Type of packing : Plastic Bottle + Sterile Bottle			
CHEMICAL TESTING					
SI 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	--	6.50	6.5-8.5
2.	Turbidity	FSSAI Manual of Methods of Analysis of Foods-Water, 2016	NTU	0.50	Max. 1.0
3.	Total Alkalinity (as CaCO <sub>3</sub> )	FSSAI Manual of Methods of Analysis of Foods-Water, 2016	mg/l	35.55	Max. 200
4.	Total Hardness(as CaCO <sub>3</sub> )	APHA,2340 ,24 <sup>th</sup> Edition	mg/l	11.94	Max. 200
5.	Calcium (as Ca)	APHA,3500 Ca,24 <sup>th</sup> Edition	mg/l	1.59	Max. 75
6.	Magnesium (as Mg)	APHA ,3500 Mg, 24 <sup>th</sup> Edition	mg/l	1.93	Max. 30
7.	Sulphates (as SO <sub>4</sub> )	Official Methods of AOAC, Volume I, Method No: 973.57, 22 <sup>nd</sup> Edition	mg/l	Below LOQ (LOQ = 10mg/l)	Max. 200
8.	Fluoride (as F)	APHA,4500-F'D, 24 <sup>th</sup> Edition	mg/l	Below LOQ (LOQ = 0.2mg/l)	Max. 1.0
9.	Chloride (as Cl)	FSSAI Manual of Methods of Analysis of Foods-Water, 2016	mg/l	5.91	Max. 250
10.	Nitrate ( as NO <sub>3</sub> )	APHA,4500 NO <sub>3</sub> B,24 <sup>th</sup> Edition	mg/l	Below LOQ (LOQ = 2.0mg/l)	Max. 45
11.	Total Dissolved Solids	FSSAI Manual of Methods of Analysis of Foods-Water, 2016	mg/l	63.00	Max. 500
12.	Iron (as Fe)	APHA 3500 Fe B,24 <sup>th</sup> edition	mg/l	Below LOQ (LOQ = 0.1mg/l)	Max. 1.0
13.	Ammonia (as total ammonia - N)	APHA 4500 NH <sub>3</sub> F, 24 <sup>th</sup> edition	mg/l	Below LOQ (LOQ = 0.1mg/l)	Max. 0.5

LOQ = Limit of Quantification  
Opinion: Satisfactory

## 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


  
 Ruby Mathew  
 Authorized Signatory

-End of the Report-





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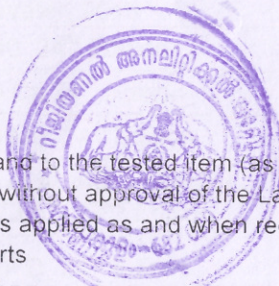
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## MICROBIOLOGICAL TESTING

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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