RAL/TR/PVT

TC-6793

GOVERNMENT OF KERALA

REGIONAL ANALYTICAL LABORATORY
KAKKANAD, ERNAKULAM, PIN – 682030.

E-mail:regionalanalyticallabernakulam@gmail.com

TEST REPORT

Report No.10159/26-27

ULR No:TC679326000003026F
Issue Date. 09.06.2026

Particulars of the sample : Drinking Water (Well)	Name & Address of Customer: Principal, Hill Valley School, Changampuzha Nagar P.O., Thrikkakara, Ernakulam – 682033.
Date of receipt of sample : 18.05.2026	
Date of Analysis : 19.05.2026 – 09.06.2026	
Condition of Sample : Fit for Analysis	Sample Quantity received : 2 L+ 125 ml
Sample Description: Clear, colourless, odourless liquid	Type of packing : Plastic Bottle + 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	--	6.56	6.5-8.5
2.	Turbidity	FSSAI Manual of Methods of Analysis of Foods-Water, 2016	NTU	0.34	Max. 1.0
3.	Total Alkalinity (as $CaCO_3$)	FSSAI Manual of Methods of Analysis of Foods-Water, 2016	mg/l	30.88	Max. 200
4.	Total Hardness(as $CaCO_3$)	APHA,2340 ,24th Edition	mg/l	13.0	Max. 200
5.	Calcium (as Ca)	APHA,3500 Ca,24th Edition	mg/l	4.01	Max. 75
6.	Magnesium (as Mg)	APHA ,3500 Mg, 24th Edition	mg/l	0.73	Max. 30
7.	Sulphates (as SO_4)	Official Methods of AOAC, Volume I, Method No: 973.57, 22nd Edition	mg/l	Below LOQ (LOQ = 10 mg/l)	Max. 200
8.	Fluoride (as F)	APHA,4500-F$^-$D, 24th Edition	mg/l	Below LOQ (LOQ = 0.2 mg/l)	Max. 1.0
9.	Chloride (as Cl)	FSSAI Manual of Methods of Analysis of Foods-Water, 2016	mg/l	4.89	Max. 250
10.	Nitrate (as NO_3)	APHA,4500 NO_3^- B,24th Edition	mg/l	Below LOQ (LOQ = 2.0 mg/l)	Max. 45
11.	Total Dissolved Solids	FSSAI Manual of Methods of Analysis of Foods-Water, 2016	mg/l	50.0	Max. 500
12.	Iron (as Fe)	APHA 3500 Fe B,24th edition	mg/l	Below LOQ (LOQ = 0.1 mg/l)	Max. 1.0
13.	Ammonia (as total ammonia - N)	APHA 4500 NH_3 F, 24th edition	mg/l	Below LOQ (LOQ = 0.1 mg/l)	Max. 0.5

LOQ = Limit of Quantification

MICROBIOLOGICAL TESTING

14	Coliforms	FSSAI 15.025:2024		Absent/100ml	Shall not be detectable in 100 ml
15	E.Coli	FSSAI 15.025:2024		Absent/100ml	

Opinion: Satisfactory

Verified by HOS:

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.

Ruby Mathew
Authorised Signatory

PTP

-End of the Report-