



TC-6793



GOVERNMENT OF KERALA

REGIONAL ANALYTICAL LABORATORY
KAKKANAD, ERNAKULAM, PIN - 682030,
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TEST REPORT

Report No.11438/A/24-25

ULR No:TC679325000001290F
Issue Date. 27.03.2025

Particulars of the sample : Drinking Water (Kerala Water Authority)	Name & Address of Customer : Principal, PM Shri Kendriya Vidyalaya, Kadavanthra P.O., Ernakulam - 682020
Date of receipt of sample : 17.03.2025	
Date of Analysis : 18.03.2025 - 26.03.2025	
Condition of Sample : Fit for Analysis	
Sample Description : Clear, Colourless, Odourless liquid	
Sample Quantity received : 2 L+ 125 ml	
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	--	6.50	6.5-8.5
2.	Turbidity	FSSAI Manual of Methods of Analysis of Foods-Water, 2016	NTU	0.74	Max. 1.0
3.	Total Alkalinity (as CaCO ₃)	FSSAI Manual of Methods of Analysis of Foods-Water, 2016	mg/l	48.24	Max. 200
4.	Total Hardness(as CaCO ₃)	APHA,2340 ,24 th Edition	mg/l	20.10	Max. 200
5.	Calcium (as Ca)	APHA,3500 Ca,24 th Edition	mg/l	10.05	Max. 75
6.	Magnesium (as Mg)	APHA ,3500 Mg, 24 th Edition	mg/l	2.44	Max. 30
7.	Sulphates (as SO ₄)	Official Methods of AOAC, Volume I, Method No: 973.57, 22 nd Edition	mg/l	Below LOQ (LOQ = 10 mg/l)	Max. 200
8.	Fluoride (as F)	APHA,4500-F D, 24 th 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	11.57	Max. 250
10.	Nitrate (as NO ₃)	APHA,4500 NO ₃ ⁻ B,24 th 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	68.00	Max. 500
12.	Iron (as Fe)	APHA 3500 Fe B,24 th edition	mg/l	Below LOQ (LOQ = 0.1 mg/l)	Max. 1.0
13.	Ammonia (as total ammonia - N)	APHA 4500 NH ₃ F, 24 th edition	mg/l	Below LOQ (LOQ = 0.1 mg/l)	Max. 0.5

LOQ = Limit of Quantification
Opinion: Satisfactory

Self attested

(सुनिल कुमार वि. एस/Sunil Kumar V.S.)
प्राचार्य/Principal
केन्द्रीय विद्यालय एर्नाकुलम/KV Ernakulam
कडवन्थरा पी.ओ./Kadavanthra P.O.
कोच्ची-20/Kochi-20

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-



RAL/TR/PVT

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MICROBIOLOGICAL TESTING

Sl No.	Parameters	Unit	Test Method	Result	Acceptable Limit as per IS 10500 : 2012 (With Amendment No. 1, 2, 3 & 4)
1.	Coliforms	MPN/100 ml	IS 1622 1981 RA 2019	<2	Less than 2
2.	E.Coli	--	IS 1622 1981 RA 2019	Absent/100ml	Shall be absent

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-End of the Report-

Self attested

29/3/25

(सुनिल कुमार वि. एस/Sunil Kumar V.S)
प्राचार्य/Principal
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