

# THRIKKAKARA MUNICIPALITY

Kakkanad, Kochi

Phone No: 0484-2422383

E-mail:secythrikkakaramunicipality@gmail.com

H 1-9807/24

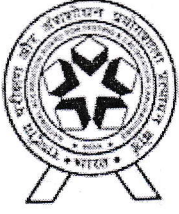
22/05/2024

## SANITATION CERTIFICATE

It is Certified that an inspection team headed by Sahadvan E K, Clean city Manager, From Thrikkakara Municipality, Kakkannad Inspected the BHAVAN'S VARUNA VIDYALAYA, Thrikkakara, Ernakulam on 22/05/2024 Checked the water test report submitted by the School and found that the School has portable drinking water for students and staff of the institution and is having provision for running water in the toilets and maintaining hygienic sanitation condition in the school building & the campus as per norms prescribed by the Central/state/U.T Govt. This certificate is valid for the period of 2024-2025.



22/5/2024  
Clean City Manager  
Thrikkakara Municipality  
SAHADEVAN. E.K  
CLEAN CITY MANAGER  
Public Health & Environmental  
Management Wing  
LSGD Thrikkakara Municipality



TC-6793



## GOVERNMENT OF KERALA

REGIONAL ANALYTICAL LABORATORY  
KAKKANAD, ERNAKULAM. Pin 682030  
E-mail: regionalanalyticallabernakulam@gmail.com

TEST REPORT

Report No.10149/A/24-25

ULR No:TC679324000001264F

Issue Date. 22.05.2024

Particulars of the sample : Drinking Water (KWA)	Name & Address of Customer : Bhavans Varuna Vidyalaya, N.P.O.L Campus, Thrikkakara, Ernakulam - 682021
Date of receipt of sample : 10.05.2024	
Date of Analysis : 13.05.2024 – 22.05.2024	
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	--	7.00	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 <sub>3</sub> )	FSSAI Manual of Methods of Analysis of Foods-Water, 2016	mg/l	16.86	Max, 200
3.	Total Hardness(as CaCO <sub>3</sub> )	APHA,2340 C,24 <sup>th</sup> Edition	mg/l	20.3	Max, 200
4.	Calcium (as Ca)	APHA,3500 Ca,24 <sup>th</sup> Edition	mg/l	5.69	Max, 75
5.	Magnesium(as Mg)	APHA ,3500 Mg, 24 <sup>th</sup> Edition	mg/l	1.48	Max, 30
6.	Sulphates(as SO <sub>4</sub> <sup>2-</sup> )	Official Methods of AOAC, Volume I, Method No: 973.57, 22 <sup>nd</sup> Edition	mg/l	BQL (LOQ = 10 mg/l)	Max, 200
7.	Fluoride (as F-)	APHA,4500-F <sup>-</sup> D, 24 <sup>th</sup> Edition	mg/l	BQL (LOQ = 0.2 mg/l)	Max, 1.0
8.	Chloride (as Cl-)	FSSAI Manual of Methods of Analysis of Foods-Water 2016	mg/l	10.55	Max, 250
9.	Nitrate as (NO <sub>3</sub> -)	APHA,4500 NO <sub>3</sub> <sup>-</sup> B,24 <sup>th</sup> Edition	mg/l	BQL (LOQ = 2.0 mg/l)	Max, 45
10.	Total Dissolved Solids	FSSAI Manual of Methods of Analysis of Foods-Water 2016	mg/l	44.0	Max, 500
11.	Iron (as Fe-)	APHA 3500 Fe B,24 <sup>th</sup> edition	mg/l	0.68	Max, 1.0
12.	Ammonia (as total ammonia-N)	APHA 4500 NH <sub>3</sub> F, 24 <sup>th</sup> edition	mg/l	BQL (LOQ = 0.1 mg/l)	Max, 0.5

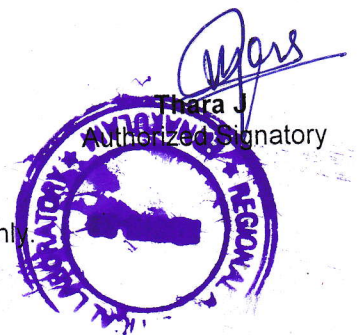
BQL= Below Quantification Limit; LOQ = Limit of Quantification

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

End of the Report





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KAKKANAD, ERNAKULAM. Pin 682030  
E-mail: regionalanalyticalabernakulam@gmail.com

**TEST REPORT**

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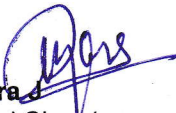
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**MICROBIOLOGICAL TESTING**

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/100 ml	Shall be absent

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Thara   
Authorized Signatory



-End of the Report-