

GOVERNMENT OF KERALA

**REGIONAL ANALYTICAL LABORATORY**

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

**TEST REPORT**

Report No.16932 /B/23-24

Issue Date.01.01.2024

Particulars of the sample : River water(treated)	Name & Address of Customer ; : Amrita vidyalayam, kunnumpuram edappally, ernakulam -682024 ( Sample forwarded by sudheendran u.c senior public health inspector gr.2nd circle -15. Kochi municipal corporation)
Date of receipt of sample : 19.12.2023	
Date of Analysis : 21.12.2023- 01.01.2024	
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	Unit	Test Method	Result	Acceptable Limit as per IS 10500 : 2018
1.	Iron (as Fe)	mg/l	APHA 23 <sup>rd</sup> edition, 2017	0.25	1.0
2.	Ammonia	mg/l	APHA 23 <sup>rd</sup> edition, 2017	Below LOQ = 0.1 mg/l)	0.5

**MICROBIOLOGICAL TESTING**

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

LOQ= Limit of Quantification



  
Bipu R  
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



  
PRINCIPAL  
Amrita Vidyalayam  
Ernakulam



TC-6793



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**TEST REPORT**

Report No.16932/A/23-24

ULR No:TC679323000004481F

Issue Date.01.01.2024

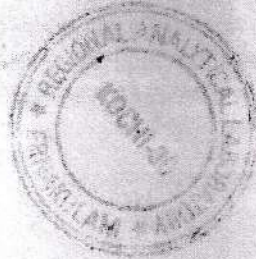
Particulars of the sample :River water(treated)	Name & Address of Customer : Amrita vidyalayam, kunnumpuram edappally, ernakulam -682024 ( Sample forwarded by sudheendran u.c senior public health inspector gr.2 <sup>nd</sup> circle -15. Kochi municipal corporation)
Date of receipt of sample : 19.12.2023	
Date of Analysis :21.12.2023- 01.01.2024	
Condition of Sample :Fit for Analysis	Sample Quantity received : 2L + 125 ml
Sample Description :Clear liquid	Type of packing : Plastic Can + Sterile Bottle

**CHEMICAL TESTING**

SL No.	Parameters	Unit	Test Method	Result	Acceptable Limit as per IS 10500 : 2018
1.	pH value	-	FSSAI Manual Methods of Analysis of Foods -Water 2016	6.58	6.5-8.5
2.	Turbidity, Max	NTU	FSSAI Manual Methods of Analysis of Foods -Water 2016	0.54	1.0
3.	Total Alkalinity (as CaCO <sub>3</sub> ), Max	mg/l	FSSAI Manual Methods of Analysis of Foods -Water 2016	11.44	200
4.	Total Hardness(as CaCO <sub>3</sub> ),Max	mg/l	APHA 23 <sup>rd</sup> edition 2017	39.6	200
5.	Calcium (as Ca),Max	mg/l	APHA 23 <sup>rd</sup> edition 2017	14.50	75
6.	Magnesium(as Mg),Max	mg/l	APHA 23 <sup>rd</sup> edition 2017	1.0	30
7.	Sulphates(as SO <sub>4</sub> <sup>2-</sup> ),Max	mg/l	AOAC 21 <sup>st</sup> Edition 2019	23.59	200
8.	Fluoride (as F <sup>-</sup> ),Max	mg/l	APHA 23 <sup>rd</sup> edition 2017	Below LOQ (LOQ = 0.2 mg/l)	1.0
9.	Chloride (as Cl <sup>-</sup> ),Max	mg/l	FSSAI Manual Methods of Analysis of Foods -Water 2016	14.78	250
10.	Nitrate as (NO <sub>3</sub> <sup>-</sup> ),Max	mg/l	APHA 23 <sup>rd</sup> edition 2017	2.94	45
11.	Total Dissolved Solids,Max	mg/l	FSSAI Manual Methods of Analysis of Foods -Water 2016	78.0	500

LOQ = Limit of Quantification

Opinion:- Satisfactory



Birur R  
Authorized Signatory**Note:**

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-End of the Report-