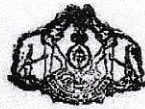




TC-6793



GOVERNMENT OF KERALA

REGIONAL ANALYTICAL LABORATORY
KAKKANAD, ERNAKULAM, PIN – 682030.
 E-mail: regionalanalyticalabernakulam@gmail.com

TEST REPORT

Report No.10303/A/25-26

ULR No:TC679325000003177F

Issue Date. 05.07.2025

Particulars of the sample : Drinking Water (Well)	Name & Address of Customer : Bhavans Adarsha Vidyalaya, CSEZ P.O., Kakkanad, Ernakulam – 682037. (Sample forwarded by Medical Officer In Charge, Family Health Centre, Kakkanad, Kusumagiri P.O., Ernakulam – 682030)
Date of receipt of sample : 26.06.2025	
Date of Analysis : 27.06.2025 – 05.07.2025	
Condition of Sample : Fit for Analysis	Sample Quantity received : 2 L + 125 ml
Sample Description : Clear, Colourless, Odourless liquid	Type of packing : Plastic Can + Sterile Bottle

CHEMICAL TESTING

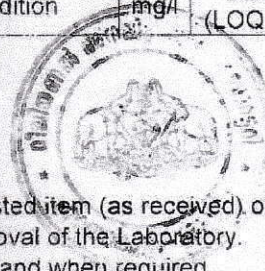
Sl No.	Parameters	Test Method	Unit	Result	Acceptable Limit as per IS 10500 : 2012 (With Amendment No. 1, 2, 3 & 4)
1.	pH value	FSSAI Manual of Methods of Analysis of Foods-Water, 2016	--	6.50	6.5-8.5
2.	Turbidity	FSSAI Manual of Methods of Analysis of Foods-Water, 2016	NTU	0.51	Max. 1.0
3.	Total Alkalinity (as CaCO ₃)	FSSAI Manual of Methods of Analysis of Foods-Water, 2016	mg/l	16.59	Max. 200
4.	Total Hardness(as CaCO ₃)	APHA,2340 ,24 th Edition	mg/l	19.90	Max. 200
5.	Calcium (as Ca)	APHA,3500 Ca,24 th Edition	mg/l	6.38	Max. 75
6.	Magnesium (as Mg)	APHA ,3500 Mg, 24 th Edition	mg/l	0.97	Max. 30
7.	Sulphates (as SO ₄)	Official Methods of AOAC, Volume I, Method No: 973.57, 22 nd Edition	mg/l	14.54	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	16.75	Max. 250
10.	Nitrate (as NO ₃)	APHA,4500 NO ₃ B,24 th Edition	mg/l	18.39	Max. 45
11.	Total Dissolved Solids	FSSAI Manual of Methods of Analysis of Foods-Water, 2016	mg/l	92.00	Max. 500
12.	Iron (as Fe)	APHA 3500 Fe B,24 th edition	mg/l	Below LOQ (LOQ = 0.1mg/l)	Max. 1.0
13.	Ammonia (as total ammonia - N)	APHA 4500 NH ₃ F, 24 th 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

End of the Report

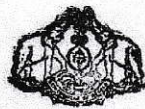


Ruby Mathew
 Authorized Signatory

KALYANI SREEKUMAR
 Principal
 Bhavan's Adarsha Vidyalaya
 Kakkanad, Kochi-682037, Kerala
 School Code: 75055
 Email id: bavkakkanad@yahoo.co.in



TC-6793



GOVERNMENT OF KERALA

REGIONAL ANALYTICAL LABORATORY
KAKKANAD, ERNAKULAM, PIN – 682030.
 E-mail: regionalanalyticalabernakulam@gmail.com

TEST REPORT

Report No.10303/A/25-26

ULR No:TC679325000003177F

Issue Date. 05.07.2025

Particulars of the sample : Drinking Water (Well)	Name & Address of Customer : Bhavans Adarsha Vidyalaya, CSEZ P.O., Kakkanad, Ernakulam – 682037. (Sample forwarded by Medical Officer In Charge, Family Health Centre, Kakkanad, Kusumagiri P.O., Ernakulam – 682030)
Date of receipt of sample : 26.06.2025	
Date of Analysis : 27.06.2025 – 05.07.2025	
Condition of Sample : Fit for Analysis	Sample Quantity received : 2 L+ 125 ml
Sample Description : Clear, Colourless, Odourless liquid	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	0.51	Max. 1.0
3.	Total Alkalinity (as CaCO ₃)	FSSAI Manual of Methods of Analysis of Foods-Water, 2016	mg/l	16.59	Max. 200
4.	Total Hardness(as CaCO ₃)	APHA,2340 ,24 th Edition	mg/l	19.90	Max. 200
5.	Calcium (as Ca)	APHA,3500 Ca,24 th Edition	mg/l	6.38	Max. 75
6.	Magnesium (as Mg)	APHA ,3500 Mg, 24 th Edition	mg/l	0.97	Max. 30
7.	Sulphates (as SO ₄)	Official Methods of AOAC, Volume I, Method No: 973.57, 22 nd Edition	mg/l	14.54	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	16.75	Max. 250
10.	Nitrate (as NO ₃)	APHA,4500 NO ₃ B,24 th Edition	mg/l	18.39	Max. 45
11.	Total Dissolved Solids	FSSAI Manual of Methods of Analysis of Foods-Water, 2016	mg/l	92.00	Max. 500
12.	Iron (as Fe)	APHA 3500 Fe B,24 th edition	mg/l	Below LOQ (LOQ = 0.1mg/l)	Max. 1.0
13.	Ammonia (as total ammonia - N)	APHA 4500 NH ₃ F, 24 th edition	mg/l	Below LOQ (LOQ = 0.1mg/l)	Max. 0.5

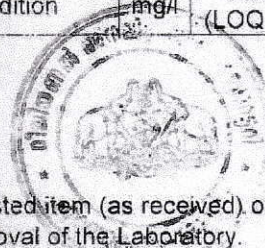
LOQ = Limit of Quantification

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

End of the Report



Ruby Mathew
 Authorized Signatory

KALYANI SREEKUMAR
 Principal
 Bhavan's Adarsha Vidyalaya
 Kakkanad, Kochi-682037, Kerala
 School Code: 75055
 Email id: bavkakkanad@yahoo.co.in