



**QUALITY CONTROL DISTRICT LAB
KERALA WATER AUTHORITY
VADAVATHOOR, KOTTAYAM**
Telephone No. 0481-2994540, Email- qedlkottayam@gmail.com



TC-10495

Test Report

ULR - TC1049524000000526F

Report no : K786/KTM/08/2024 Date : 27.08.2024

Customer Name & Address THE PRICIPAL HOLY CROSS SCHOOL AYMANAM P. O, KOTTAYAM.	1.Date of Receipt	22.08.2024
	2.Sampling done by	CUSTOMER
	3.Sample Code	2024/QC/KTM/K2965
	4.Source of Sample	WELL
	5.Sample Quantity	2 Litre
	6 Sample condition	Acceptable
	7.Test performing date	23.08.2024 - 24.08.2024

Sl. No	Characteristics	Unit	Test Method	Acceptable limits As per IS 10500:2012	Limit of detection	Result
1	Colour	HU	APHA-24 th Edition (2023) 2120 B - Visual comparison method	5	1	1
2	Odour		IS 3025 (Part 5) 2018 (Reaffirmed 2022)	Agreeable	Agreeable	Agreeable
3	Taste		IS 3025 (Part 8) - 1984 (Reaffirmed 2023)	Agreeable	Agreeable	Agreeable
4	Turbidity	NTU	IS 3025 (Part10) - 1984 (Reaffirmed 2023) Nephelometric Method	1	0.5	1.05
5	pH at 25 °C		IS 3025 (Part 11) - 2022 Potentiometric Method	6.5 - 8.5	2	6.2
6	Total Alkalinity (as CaCO ₃)	mg/l	IS 3025 (Part 23) - 1986 (Reaffirmed 2023) Indicator Method	200	5	BDL
7	Total dissolved solids (TDS) at 180° C	mg/l	IS 3025 (Part 16) -1984 (Reaffirmed 2023) Gravimetric Method	500	5	13.8
8	Total Hardness (as CaCO ₃)	mg/l	IS 3025 (Part21) - 2009 (Reaffirmed 2019) - EDTA Method	200	5	BDL
9	Calcium (as Ca)	mg/l	IS 3025 (Part 40) - 1991 (Reaffirmed 2023) - EDTA Titrimetric Method	75	5	BDL
10	Magnesium (as Mg)	mg/l	APIHA 24 th Edition (2023) 3500 - Mg B Calculation Method	30	5	BDL

Remarks: -

NB. - The result stated above related only to the sample(s) submitted for testing. This test Certificate shall not be reproduced except in full without the written approval of the laboratory

- * Sampling is not done by the Lab
- * BDL - Below Detection Limit
- * NT- Not Tested
- * Samples will be retained only for 7 days after completion of analysis

Verified By

*
Sub of the Asst. Engineer
VADAVATHOOR
KOTTAYAM
Date: 27/8/24
Quality Control Dist. Lab K.W.A.
*

Authorized Signatory
(Signature with Name)
Dhanyamol.K
Date: 22.08.2024



QUALITY CONTROL DISTRICT LAB
KERALA WATER AUTHORITY
VADAVATHOOR, KOTTAYAM

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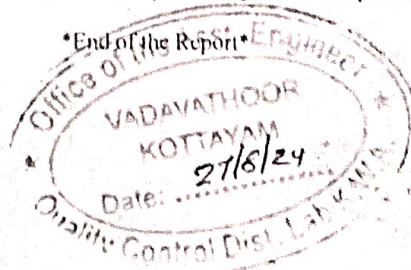
Customer Name & Address THE PRICIPAL HOLY CROSS SCHOOL AYMANAM P. O, KOTTAYAM.	1.Date of Receipt	22.08.2024
	2.Sampling done by	CUSTOMER
	3.Sample Code	2024/QC/KTM/K2965
	4.Source of Sample	WELL
	5.Sample Quantity	2 Litre
	6 Sample condition	Acceptable
	7.Test performing date	23.08.2024 - 24.08.2024

Sl. No	Characteristics	Unit	Test Method	Acceptable limits As per IS 10500:2012	Limit of detection	Result
11	Chloride (as Cl)	mg/l	IS 3025 (Part32) -1988 (Reaffirmed 2019) Argentometric Method	250	5	8.9
12	Electrical Conductivity at 25 °C	µS/cm	IS 3025 (Part14) -2013 (Reaffirmed 2019)		10 µS/cm	21.67
13	Acidity	mg/l	IS 3025 (Part22) -1986 (Reaffirmed 2019) Indicator Method		5	14
14	Sulphate (as SO ₄)	mg/l	IS 3025(Part24) -1986 (Reaffirmed 2022) Turbidity Method	200	1	1.11
15	Fluoride (as F)	mg/l	APHA 24th Edition 4500 -F D SPADNS Method	1	0.1	BDL
16	Iron (as Fe)	mg/l	IS 3025 (Part 53) - 2024 Phenanthroline Method	1	0.1	BDL
17	Nitrate(as NO ₃)	mg/l	APHA 24th Edition 4500- NO ₃ - B Ultraviolet Spectrophotometric Screening Method	45	1	1.48

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Verified By



Authorized Signatory
(Signature with Name)
Dhanyamol.K



QUALITY CONTROL DISTRICT LAB
KERALA WATER AUTHORITY

VADAVATHOOR, KOTTAYAM

Telephone No. 0481 2302391, Email - qcldkottayam@gmail.com

Test Report

Report no : K786/KTM/08/2024 Date : 27.08.2024

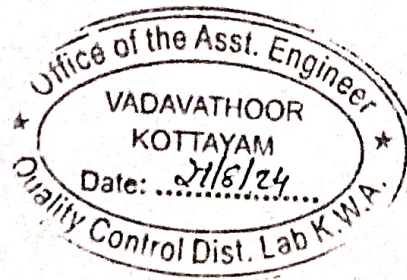
Customer Name & Address THE PRICIPAL HOLY CROSS SCHOOL AYMANAM P. O, KOTTAYAM.	1.Date of Receipt	22.08.2024
	2.Sampling done by	CUSTOMER
	3.Sample Code	2024/QC/KTM/K2965
	4.Source of Sample	WELL
	5.Sample Quantity	2 Litre
	6 Sample condition	Acceptable
	7.Test performing date	23.08.2024 – 24.08.2024

Sl.No	Characteristics	Unit	Test Method	Acceptable limits As per IS 10500:2012	Limit of detection	Result
1	Residual Chlorine	mg/l	Kit Method	0.2	-	NL
2	Dissolved Oxygen	mg/l	IS 3025 (Part 38) 1989 (Reaffirmed 2019) Winkler Method	-	-	NT
3	Chemical Oxygen demand	mg/l	IS 3025(part 58)2006(Reaffirmed 2023)-open Reflux method	-	-	NT
4	Biological Oxygen Demand	mg/l	IS 3025(part 44):2023- oxygen Depletion method	-	-	NT

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End of the Report



Verified By

Authorized Signatory
(Signature with Name)
Dhanyamol. K
Page 1-1



QUALITY CONTROL DISTRICT LAB

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VADAVATHOOR, KOTTAYAM

Telephone No. 0481 2302391, Email- qcdlkottayam@gmail.com

TEST REPORT

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Customer Name & Address THE PRICIPAL HOLY CROSS SCHOOL AYMANAM P. O, KOTTAYAM	1.Date of Receipt	22.08.2024
	2.Sampling done by	CUSTOMER
	3.Sample Code	2024/QC/KTM/K2965
	4.Source of Sample	WELL
	5.Sample Quantity	100 ML
	6.Sample Condition	Acceptable
	7.Test performing date	22.08.2024 – 24.08.2024

BACTERIOLOGICAL ANALYSIS

Sl No.	Parameters	Acceptable limits as per - IS 10500-2012	Test Method	Result
1	Coliforms	Shall not be detected/100ml	IS 15185:2016	ABSENT
2	E-coli	Shall not be detected/100ml	IS 15185:2016	ABSENT

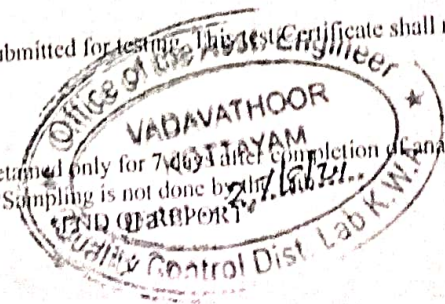
Test method

Coliforms: Membrane Filtration Method
E. coli: Membrane Filtration Method

Remarks: -

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*Sampling is not done by the lab



Vinaya Bactor
Authorized By