



**QUALITY CONTROL DISTRICT LAB
KERALA WATER AUTHORITY
VADAVATHOOR, KOTTAYAM**

Telephone No. 0481-2994540, Email- qcldkottayam@gmail.com



TC-10495

Test Report

ULR – TC1049525000000114F

Report no :K170/KTM/02/2025	Date : 18.02.2025
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Customer Name & Address CLUNY PUBLIC SCHOOL CHEEPPUMPARA LAKKATTOOR P.O., KOTTAYAM.	1.Date of Receipt	14.02.2025
	2.Sampling done by	CUSTOMER
	3.Sample Code	2025/QC/KTM/K552
	4.Source of Sample	WELL
	5.Sample Quantity	2 Litre
	6 Sample condition	Acceptable
	7. Test performing date	15.02.2025 – 17.02.2025

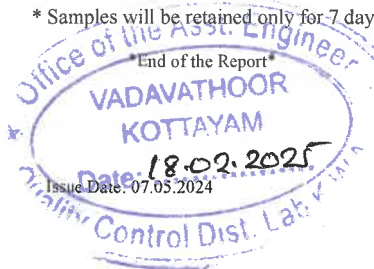
Sl. No	Characteristics	Unit	Test Method	Acceptable limits As per IS 10500:2012	Limit of detection	Result
1	Colour	HU	APHA-24 th Edition (2023) 2120 B – Visual comparison method	5	1	1
2	Odour		IS 3025 (Part 5) 2018 (Reaffirmed 2022)	Agreeable	Agreeable	Agreeable
3	Taste		IS 3025 (Part 8) - 1984 (Reaffirmed 2023)	Agreeable	Agreeable	Agreeable
4	Turbidity	NTU	IS 3025 (Part10) - 1984 (Reaffirmed 2023) Nephelometric Method	1	0.5	0.68
5	P ^H at 25 °C		IS 3025 (Part 11) – 2022 Potentiometric Method	6.5 - 8.5	2	6.6
6	Total Alkalinity (as CaCO ₃)	mg/l	IS 3025 (Part 23) - 1986 (Reaffirmed 2023) Indicator Method	200	5	26
7	Total dissolved solids (TDS) at 180° C	mg/l	IS 3025 (Part 16) -1984 (Reaffirmed 2023) Gravimetric Method	500	5	137.8
8	Total Hardness (as CaCO ₃)	mg/l	IS 3025 (Part21) - 2009 (Reaffirmed 2019) - EDTA Method	200	5	72
9	Calcium (as Ca)	mg/l	IS 3025 (Part 40) - 1991 (Reaffirmed 2023) - EDTA Titrimetric Method	75	5	26.4
10	Magnesium (as Mg)	mg/l	APHA 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



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



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	7.Test performing date	15.02.2025 – 17.02.2025

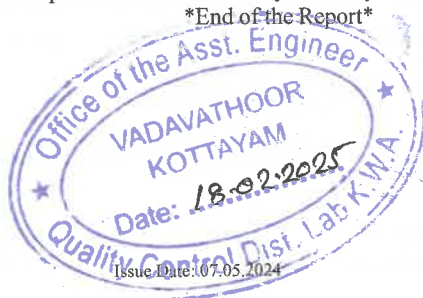
Sl. No	Characteristics	Unit	Test Method	Acceptable limits As per IS 10500:2012	Limit of detection	Result
11	Chloride (as Cl)	mg/l	IS 3025 (Part32) -1988 (Reaffirmed 2019) Argentometric Method	250	5	33.7
12	Electrical Conductivity at 25 °C	µS/cm	IS 3025 (Part14) -2013 (Reaffirmed 2019)		10 µS/cm	212
13	Acidity	mg/l	IS 3025 (Part22) -1986 (Reaffirmed 2019) Indicator Method		5	12
14	Sulphate (as SO ₄)	mg/l	IS 3025(Part24) -1986 (Reaffirmed 2022) Turbidity Method	200	1	3.75
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	22.6

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Dhanyamal.K

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QUALITY CONTROL DISTRICT LAB KERALA WATER AUTHORITY

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Test Report

Report no : K170/KTM/02/2025	Date : 18.02.2025
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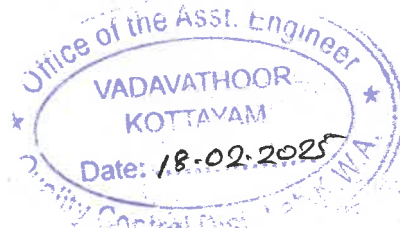
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	2.Sampling done by	CUSTOMER
	3.Sample Code	2025/QC/KTM/K552
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	7.Test performing date	15.02.2025 – 17.02.2025

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	-	NIL
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
5	Total Suspended Solids @103°C-105°C (TSS)	mg/l	IS 3025(part 17)2023 Gravimetric Method	-	-	NT

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Dhanyamol.K
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	2.Sampling done by	CUSTOMER
	3.Sample Code	2025/QC/KTM/K552
	4.Source of Sample	WELL
	5.Sample Quantity	100 ml
	6.Sample Condition	Acceptable
	7.Test performing date	14.02.2025 – 17.02.2025

BACTERIOLOGICAL ANALYSIS

SI 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

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END OF REPORT



Authorized By

Monisha S-S

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