



QUALITY CONTROL SUB DISTRICT LAB
KERALA WATER AUTHORITY
COLLECTORATE P O, KOTTAYAM

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

(NABL Recognized Block Level Government Drinking Water Testing Laboratory)

Test Report

Certificate No. NABL-DWT-00897

Report No:1357/QC/KTM/10/2025	Date:10.10.2025
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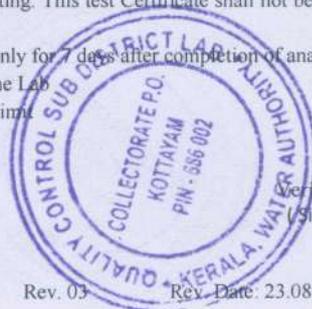
Customer Name & Address	1.Date of Receipt	06/10/25
ST.ALPHONSA PUBLIC SCHOOL AND JUNIOR COLLEGE KUDAMALLOOR KOTTAYAM	2.Sampling done by	CUSTOMER
	3.Sample Code	2025/QC/KTM/M3975
	4.Source of Sample	WELL
	5.Sample Quantity	2 Litres
	6.Sample Condition	Acceptable
	7.Test performing date:06.10.2025-09.10.2025	

Sl.No.	Characteristics	Unit	Test Method	Limit of Detection	Acceptable limits As per IS 10500:2012	Result
1	Colour	HU	APHA 24 th Edition (2023) 2120 B Visual comparison Method	1	5	1
2	Odour		IS 3025 (part 5) – 2018	Agreeable	Agreeable	Agreeable
3	Taste		IS 3025 (part8)-2023	Agreeable	Agreeable	Disagreeable
4	Turbidity	NTU	IS 3025(part10):2023 Nephelometric Method	0.5	1	0.98
5	pH at 25 ^o C		IS 3025(part 11)-2022- Potentionmetric Method)	2	6.5 - 8.5	5.2
6	Total Alkalinity(as CaCO ₃)	mg/l	IS 3025(part 23):2023 Indicator Method	5	200	BDL
7	Total dissolved solids (TDS)at 180 ^o C	mg/l	IS 3025(part16): 2023 (TDS Meter/Gravimetric Method)	10	500	68.6
8	Total hardness (as CaCO ₃)	mg/l	IS 3025(part21)-2009 (Reaffirmed 2023) EDTA Method	10	200	26
9	Calcium (as Ca)	mg/l	IS 3025(part40): 2024 EDTA Titrimetric Method	5	75	8.0
10	Magnesium (as Mg)	mg/l	APHA 24 th Edition (2023)3500 – Mg B- Calculation Method	5	30	BDL
11	Chloride (as Cl)	mg/l	IS 3025(part32)-1988 (Reaffirmed2019) Argentometric Method	10	250	24

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

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



Verified and Authorized By
(Signature with Name)

Jyothikeshmi K G.



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	3.Sample Code	2025/QC/KTM/M3975
	4.Source of Sample	WELL
	5.Sample Quantity	2 Litres
	6.Sample Condition	Acceptable
	7.Test performing date:06.10.2025-09.10.2025	

Sl. No	Characteristics	Unit	Test Method	Desirable limits as per IS 10500:2012	Result
1	Electrical conductivity at 25 °C	(Micro mhos/cm)	IS 3025(part14)-2013 (Reaffirmed 2023)		103.2
2	Acidity	(mg/litre)	IS 3025(part22)-2024 Indicator Method		20.2
3	Sulphate (as SO ₄)	(mg/litre)	IS 3025(part24/Sec 1)2022 Turbidity Method	200	5.28
4	Fluoride (as F)	(mg/litre)	KIT Method	1	BDL
5	Iron (as Fe)	(mg/litre)	IS 3025(part53)-2024 (Phenanthroline Method)	1	BDL
6	Nitrate(as NO ₃)	(mg/litre)	KIT Method	45	10
7	Residual chlorine	(mg/litre)	KIT Method	0.2	Nil
8	Biological Oxygen Demand	(mg/litre)	IS 3025(part 44)-2023-Oxygen Depletion Method		NT
9	Dissolved Oxygen	(mg/litre)	IS 3025(part 38)-1989 (Reaffirmed 2019) -Winkler Method		NT
10	Chemical Oxygen Demand	(mg/litre)	IS 3025(part 58)-2006 (Reaffirmed 2023) -Open Reflux Method		NT
11	Total Suspended Solids @ 103°C - 105°C (TSS)	(mg/litre)	IS 3025(part 17)-2023 Gravimetric Method		NT

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*BDL - Below Detection Limit

*NT- Not Test



End of the Report

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	2.Sampling done by	CUSTOMER
	3.Sample Code	2025/QC/KTM/M3975
	4.Source of Sample	WELL
	5.Sample Quantity	100ML
	6.Sample Condition	Acceptable
	7.Test performing date:06.10.2025-09.10.2025	

BACTERIOLOGICAL ANALYSIS

	Parameters	Acceptable Limits as per- IS 10500-2012	Test Method	Result
1	Coliforms	Shall not be detected/100ml	IS 15185:2016 (Reaffirmed 2021)	PRESENT
2	E.coli	Shall not be detected/100ml	IS 15185:2016 (Reaffirmed 2021)	ABSENT

Test Method :

Coliforms- Membrane filtration Method

E coli- Membrane filtration Method

Remarks: -

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