



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

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

(NABL Recognized Block Level Government Drinking Water Testing Laboratory)

Test Report

Certificate No. NABL-DWT-00897

Report No: 195/QC/KTM/02/2025

Date: 21.02.2025

Customer Name & Address ALAMMA MATHEW CARMEL RANI PUBLIC SCHOOL VARIYANIKKADU CHETTUTHODU P.O. KOTTAYAM	1. Date of Receipt	15.02.2025
	2. Sampling done by	Customer
	3. Sample Code	2025/QC/KTM/M1021
	4. Source of Sample	Well
	5. Sample Quantity	2 LITRES
	6. Sample Condition	Acceptable
	7. Test performing date: 15.02.2025 – 18.02.2025	

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	NT
2	Odour		IS 3025 (part 5) – 2018 (Reaffirmed 2022)	Agreeable	Agreeable	NT
3	Taste		IS 3025 (part 8) – 1984 (Reaffirmed 2023)	Agreeable	Agreeable	NT
4	Turbidity	NTU	IS 3025 (part 10) – 1984 (Reaffirmed 2023) Nephelometric Method	0.5	1	0.6
5	pH at 25 °C		IS 3025 (part 11) – 2022 Potentiometric Method	2	6.5 - 8.5	7.4
6	Total Alkalinity (as CaCO ₃)	mg/l	IS 3025 (part 23) – 1986 (Reaffirmed 2023) Indicator Method	5	200	NT
7	Total dissolved solids (TDS) at 180 °C	mg/l	IS 3025 (part 16) – 1984 (Reaffirmed 2023) TDS Meter Gravimetric Method	10	500	NT
8	Total hardness (as CaCO ₃)	mg/l	IS 3025 (part 21) – 2009 (Reaffirmed 2019) EDTA Method	10	200	22
9	Calcium (as Ca)	mg/l	IS 3025 (part 10) – 1991 (Reaffirmed 2023) EDTA Titrimetric Method	5	75	NT
10	Magnesium (as Mg)	mg/l	APHA 24 th Edition (2023) 3500 – Mg B- Calculation Method	5	30	NT
11	Chloride (as Cl)	mg/l	IS 3025 (part 32) – 1988 (Reaffirmed 2019) Argentometric Method	10	250	15.8

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

*BQL – Below Detection Limit

*NT – Not Test

Vinitha G Nair
21/02/2025
Verified By
(Signature with name)

KWA/QC/MC/AR/F3

Issue No.04

Issue Date: 28.06.2024

Rev. 00



Sabyasachi M. I
21/02/25
Authorized Signatory
(Signature with Name)

Rev. Date: 00.00.000

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QUALITY CONTROL SUB DISTRICT LAB
KERALA WATER AUTHORITY
COLLECTORATE P.O. KOTTAYAM
Telephone No. 0481 2302391, Email- qcsdlktm@gmail.com

Test Report

Report No: 195 QC/KTM/02/2025

Date: 21.02.2025

Customer Name & Address

AI AMMA MATHIEW
CARMEL RANI PUBLIC SCHOOL
VARIYANIKK ADU
CHETTIYODU P.O.
KOTTAYAM

1. Date of Receipt 15.02.2025
2. Sample done by Customer
3. Sample Code 2025/QC/KTM/M1021
4. Source of Sample Well
5. Sample Quantity 2 LITRES
6. Sample condition Acceptable
7. Test performing date: 15.02.2025 - 18.02.2025

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 2019)		51.2
2	Acidity	(mg/litre)	IS 3025(part22)-1986 (Reaffirmed 2019) Indicator Method		NT
3	Sulphate (as SO ₄)	(mg/litre)	IS 3025(part24)-1986 (Reaffirmed 2022) Turbidity Method	200	NT
4	Fluoride (as F)	(mg/litre)	KIT Method	1	NT
5	Iron (as Fe)	(mg/litre)	IS 3025(part53)-2003 (Reaffirmed 2011) 1, 10-Phenanthroline Method	1	BDL
6	Nitrate(as NO ₃)	(mg/litre)	KIT Method	45	BDL
7	Residual chlorine	(mg/litre)	KIT Method	0.2	NT

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

*End of the Report



Vinitha G Nair
21/02/2025

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(Signature with Name)

KWA/QC/MC/ART3 Issue No.01

Issue Date: 28.06.2024

Shyfa M.I
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Rev. Date: 00.00.000



QUALITY CONTROL SUB DISTRICT LAB
KERALA WATER AUTHORITY
COLLECTORATE P.O, KOTTAYAM
Telephone No. 0481 2302391, Email- qcsdlkum@gmail.com

TEST REPORT

Report No:195/QC/KTM/02/2025

Date: 21.02.2025

Customer Name & Address

ALANMA MATHIEW
CARMEI RANI PUBLIC SCHOOL
VARIYANIKKADU
CHETTUTHODU P.O
KOTTAYAM

1.Date of Receipt	15.02.2025
2.Sample done by	Customer
3.Sample Code	2025/QC/KTM/M1021
4.Source of Sample	Well
5.Sample Quantity	100 ML
6.Sample condition	Acceptable
7.Test performing date: : 15.02.2025 - 18.02.2025	

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	PRESENT
2	E.coli	Shall not be detected/100ml	IS 15185:2016	ABSENT

Test Method :

Coliforms- Membrane filtration Method

E.coli- Membrane filtration Method

Remarks: -

B:- The result stated above related only to the sample(s)submitted for testing. This test Certificate shall not be reproduced except in
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



Bini
21/02/25

Authorized By

BINIMOL ABRAH

WA/QC/MUZAR/F4

Issue No,01

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Rev. Date 00/00/00

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