



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

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

(NABL Recognized Block Level Government Drinking Water Testing Laboratory)

**Test Report**

Certificate No. NABL-DWT-00897

Report No:567/QC/KTM/05/2025

Date:16/05/25

Customer Name & Address	1.Date of Receipt	09/05/25
The Manager	2.Sampling done by	HI KUMARAKOM
SKM Public School	3.Sample Code	2025/QC/KTM/M2479
Kumarakom	4.Source of Sample	KWA Tap Water
Kottayam	5.Sample Quantity	2 Litres
	6.Sample Condition	Acceptable
	7.Test performing date: 09.05.2025 – 12.05.2025	

Sl. No	Characteristics	Unit	Test Method	Limit of Detection	Acceptable limits As per IS 10500:2012	Result
1	Colour	HU	APHA 24 <sup>th</sup> Edition (2023) 2120 B Visual comparison Method	1	5	1
2	Odour		IS 3025 (part 5) – 2018(Reaffirmed 2022)	Agreeable	Agreeable	Agreeable
3	Taste		IS 3025(part8)-1984 (Reaffirmed 2023)	Agreeable	Agreeable	Agreeable
4	Turbidity	NTU	IS 3025(part10)-1984 (Reaffirmed 2023)- Nephelometric Method	0.5	1	BDL
5	pH at 25 °C		IS 3025(part 11)-2022- Potentionmetric Method )	2	6.5 - 8.5	7.8
6	Total Alkalinity(as CaCO <sub>3</sub> )	mg/l	IS 3025(part 23)-1986 (Reaffirmed 2023)Indicator Method	5	200	6.1
7	Total dissolved solids (TDS)at 180°C	mg/l	IS 3025(part16)-1984 (Reaffirmed 2023 ) ( TDS Meter/Gravimetric Method )	10	500	19.6
8	Total hardness (as CaCO <sub>3</sub> )	mg/l	IS 3025(part21)-2009 (Reaffirmed 2019)EDTA Method	10	200	10
9	Calcium (as Ca)	mg/l	IS 3025(part40)-1991 (Reaffirmed 2023)EDTA Titrimetric Method	5	75	BDL
10	Magnesium (as Mg)	mg/l	APHA 24 <sup>th</sup> Edition (2023)3500 – Mg B- Calculation Method	5	30	BDL
11	Chloride (as Cl)	mg/l	IS 3025(part32)-1988 (Reaffirmed 2019)Argentometric Method	10	250	6.9

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 Test



*[Signature]*  
Authorized Signatory  
(Signature with Name)  
Bhadrachari





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

Report No:567/QC/KTM/05/2025	Date:16/05/25
------------------------------	---------------

Customer Name & Address The Manager SKM Public School Kumarakom Kottayam	1.Date of Receipt	09/05/2025
	2.Sample done by	HI KUMARAKOM
	3.Sample Code	2025/QC/KTM/M2479
	4.Source of Sample	KWA Tap Water
	5.Sample Quantity	2 Litres
	6.Sample condition	Acceptable
	7.Test performing date:09/05/2025 -12/05/2025	

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)		29.3
2	Acidity	(mg/litre)	IS 3025(part22)-1986 (Reaffirmed 2019)Indicator Method		6.1
3	Sulphate (as SO <sub>4</sub> )	(mg/litre)	IS 3025(part24)-1986 (Reaffirmed 2022)Turbidity Method	200	3.4
4	Fluoride (as F)	(mg/litre)	KIT Method	1	BDL
5	Iron (as Fe)	(mg/litre)	IS 3025(part53)-2003 (Reaffirmed 2014) 1, 10-Phenanthroline Method )	1	0.85
6	Nitrate(as NO <sub>3</sub> )	(mg/litre)	KIT Method	45	BDL
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

**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



Authorized Signatory  
(Signature with Name)

*[Signature]*  
Bindhu Cherian





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

TEST REPORT

Report No:567/QC/KTM/05/2025

Date:16.05.2025

Customer Name & Address The Manager SKM Public School Kumarakom Kottayam	1.Date of Receipt	09.05.2025
	2.Sample done by	HI KUMARAKOM
	3.Sample Code	2025/QC/KTM/M2479
	4.Source of Sample	KWA Tap Water
	5.Sample Quantity	100 ML
	6.Sample condition	Acceptable
	7.Test performing date: : 09.05.2025 – 12.05.2025	

BACTERIOLOGICAL ANALYSIS

	Parameters	Acceptable Limits as per IS 10500-2012	Test Method	Result
Report No: 567/QC/KTM/05/2025 1	Coliforms	Shall not be detected/100ml	IS 15185:2016	ABSENT
2	E.coli	Shall not be detected/100ml	IS 15185:2016	ABSENT

Coliforms- Membrane filtration Method

Ecoli- Membrane filtration Method

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



\*END OF REPORT\*

Authorized By  
*Anaswara R. Ambudli*

KWA/QC/MC/AR/F4

Issue No.01

Issue Date: 11.03.2024

Rev. No.00

Rev. Date 00.00.00

Page 3