



QUALITY CONTROL SUB DISTRICT LABORATORY KERALA WATER AUTHORITY

THALAYOLAPARAMBU, VAIKOM, KOTTAYAM

Telephone No. 04829-292143, Email: qcsdlvkm@gmail.com

(NABL Recognized Block level Government Drinking Water Testing Laboratory)

TEST REPORT

Certificate No. NABL – DWT – 00931

Report No: 195/TPB/02/2026

Date: 18/02/2026

Customer Name & Address THE PRINCIPAL LAKE MOUNT PUBLIC SCHOOL KATTIKUNNU CHEMPU VAIKOM	1. Date of Receipt	13/02/2026
	2. Sampling done by	CUSTOMER
	3. Sample Code	2026/QC/TPB/T317
	4. Source of Sample	TAP WATER
	5. Sample Quantity	2 LITRES
	6. Sample conditions	ACCEPTABLE
	7. Test performing dates :	13/02/2026 – 18/02/2026

Sl. No	Characteristics	Unit	Test Method	Acceptable limits as per IS 10500:2012	Limit of detection LOD	Result
1	Colour	HU	APHA 24 th Edition(2023) 2120 B – Visual comparison method	5	1	1
2	Odour		IS 3025 (part 5) –2018	Agreeable	Agreeable	Agreeable
3	Taste		IS 3025 (part 8) -2023	Agreeable	Agreeable	Agreeable
4	Turbidity	(NTU)	IS 3025 (part 10)- 2023 Nephelometric method	1	0.5	0.85
5	pH at 25 °C		IS 3025 (part 11) 2022 Potentiometric method	6.5 – 8.5	2	7.2
6	Alkalinity	(mg/litre)	IS 3025 (part 23)- 2023- Indicator method	200	5	14.28
7	Total dissolved solids (TDS)	(mg/litre)	IS 3025 (part 16) 2023 Gravimetric method/TDS Meter)	500	5	33.68
8	Total hardness (as CaCO ₃)	(mg/litre)	IS 3025 (part 21)-2009 (Reaffirmed 2023) EDTA method	200	5	14
9	Calcium (as Ca)	(mg/litre)	IS 3025 (part 40) 2024 EDTA Titrimetric method	75	5	BDL
10	Magnesium (as Mg)	(mg/litre)	APHA 24 th Edition(2023) 3500- Mg B Calculation method	30	5	BDL
11	Chloride (as Cl)	(mg/litre)	IS 3025(part 32)1988-(Reaffirmed 2019) Argentometric method	250	5	9.9

Remarks:-BDL

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*

PRINCIPAL
MAYA JAGAN

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KATTIKUNNU, CHEMPU P.O
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For. The Manager

Lake Mount Public School,
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Vaikom

Affiliation No. 9303571

Reviewed and Authorized by
(Signature with Name)

Remya
Remya.K.M



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 CHEMPU
 VAIKOM

1.Date of Receipt	13/02/2026
2.Sampling done by	CUSTOMER
3.Sample Code	2026/QC/TPB/T317
4.Source of Sample	TAP WATER
5.Sample Quantity	100ml.
6.Sample Condition	ACCEPTABLE
7.Test performing dates:	13/02/2026 - 18/02/2026

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 (Reaffirmed 2021)	ABSENT
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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 *Sampling is not done by the Lab

END OF REPORT

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Authorized By
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(Signatures)

WA/QC/VKM/AR/F4

(Signature)

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3.Sample Code	2026/QC/TPB/T317
4.Source of Sample	TAP WATER
5.Sample Quantity	2 LITRES
6.Sample Condition	ACCEPTABLE
7.Test performing dates:	13/02/2026 – 18/02/2026

Sl. No	Characteristics	Unit	Test Method	Desirable limits as per IS 10500:2012	Result
1	Electrical conductivity at 25 °C	(Micromhos/cm)	IS 3025(part14)-2013 (Reaffirmed 2023)		52.74
2	Acidity	(mg/litre)	IS 3025(part22) 2024 Indicator Method		2
3	Sulphate (as SO ₄)	(mg/litre)	IS 3025(part24 /Sec1) 2022 Turbidity Method	200	6.5
4	Fluoride (as F)	(mg/litre)	KIT METHOD	1	BDL
5	Iron (as Fe)	(mg/litre)	IS 3025(part53)-2004 Phenanthroline Method	1	0.13
6	Nitrate(as NO ₃)	(mg/litre)	KIT METHOD	45	BDL
7	Residual Chlorine	(mg/litre)	KIT METHOD	0.2	0.1

Remarks: -

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- *NT- Not Tested

End of the Report

Remya
Remya K.M

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(Signature with Name)

Hgg
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