



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:535/TPB/ 05/2025

Date: 05/06/2025

Customer Name & Address	1.Date of Receipt	30/05/2025
THE PRINCIPAL KENDRIYA VIDYALAYA KADUTHURUTHY KOTTAYAM	2.Sampling done by	PRINCIPAL
	3.Sample Code	2025/QC/IPB/T2793
	4.Source of Sample	TAP WATER (KPPL)
	5.Sample Quantity	2 LITRES
	6.Sample conditions	ACCEPTABLE
	7.Test performing dates : 30/05/2025 -03/06/2025	

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(Reaffirmed 2022)	Agreeable	Agreeable	Agreeable
3	Taste		IS 3025(part 8)-1984(Reaffirmed - 2023	Agreeable	Agreeable	Disagreeable
4	Turbidity	(NTU)	IS 3025(part 10)-1984(Reaffirmed- 2023)- Nephelometric method	1	0.5	2.68
5	pH at 25 °C		IS 3025(part 11)- 2022- Potentiometric method	6.5 – 8.5	2	7.1
6	Alkalinity	(mg/litre)	IS 3025(part 23)-1986(Reaffirmed- 2023)- Indicator method	200	5	7.92
7	Total dissolved solids (TDS)	(mg/litre)	IS 3025(part 16)-1984(Reaffirmed- 2023)Gravimetric method/TDS Meter)	500	5	33.72
8	Total hardness (as CaCO ₃)	(mg/litre)	IS 3025(part 21)-2009 (Reaffirmed 2019)EDTA method	200	5	20
9	Calcium (as Ca)	(mg/litre)	IS 3025(part 40)-1991(Reaffirmed- 2023)EDTA Titrimetric method	75	5	5.61
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	6.93

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*

QUALITY CONTROL SUB DISTRICT LAB
KERALA WATER AUTHORITY
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KOTTAYAM 686305

Reviewed and Authorized by
(Signature with Name)

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Test Report

Report No:535/TPB/05/2025	Date: 05/06/2025
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Customer Name & Address THE PRINCIPAL KENDRIYA VIDYALAYA KADUTHURUTHY KOTTAYAM	1.Date of Receipt	30/05/2025
	2.Sampling done by	CUSTOMER
	3.Sample Code	2025/QC/TPB/T2793
	4.Source of Sample	TAP WATER (KPPL)
	5.Sample Quantity	2 LITRES
	6.Sample Condition	ACCEPTABLE
	7.Test performing dates: 30/05/2025 - 05/06/2025	

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 2019)		51.61
2	Acidity	(mg/litre)	IS 3025(part22)-1986 (Reaffirmed 2019)Indicator Method		1.96
3	Sulphate (as SO ₄)	(mg/litre)	IS 3025(part24)-1986 (Reaffirmed 2022)Turbidity Method	200	4
4	Fluoride (as F)	(mg/litre)	KIT METHOD	1	BDL
5	Iron (as Fe)	(mg/litre)	IS 3025(part53)-2003 (Reaffirmed 2024) 1,10 Phenanthroline Method	1	0.66
6	Nitrate(as NO ₃)	(mg/litre)	KIT METHOD	45	BDL
7	Residual Chlorine	(mg/litre)	KIT METHOD	0.2	NIL

Remarks: -

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 *NT- Not Tested

End of the Report

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TEST REPORT

Report No: 535/TPB /05/2025		Date: 05/06/2025
Customer Name & Address THE PRINCIPAL KENDRIYA VIDYALAYA KADUTHURUTHY KOTTAYAM	1.Date of Receipt	30/05/2025
	2.Sampling done by	CUSTOMER
	3.Sample Code	2025/QC/TPB/T2793
	4.Source of Sample	TAP WATER (KPPL)
	5.Sample Quantity	100ml.
	6.Sample Condition	ACCEPTABLE
	7.Test performing dates: 30/05/2025 - 05/06/2025	

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:-

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*Samples will be retained only for 7 days after completion of analysis

*Sampling is not done by the Lab

END OF REPORT

Arya Rajis
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