



QUALITY CONTROL DISTRICT LABORATORY

KERALA WATER AUTHORITY

THIRUVALLA, PATHANAMTHITTA

Telephone No. 0469 2600833, Email : aeqcditvla@gmail.com



TC-9566

TEST REPORT

ULR – TC9566250000002020F

Report No:2127/TVLA/08/2025	Date:30.08.2025
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CUSTOMER NAME & ADDRESS ARCHBISHOP MAR GREGORIOS- PUBLIC SCHOOL KOTTOOR KAVIYOOR P. O THIRUVALLA	1.Date of Payment Received	25.08.2025
	2. Date of Sample Received	25.08.2025
	3. Time of Sampling	1.02 pm
	4. Sampling done by	CUSTOMER
	5. Sample Code	2025/QC/TVLA/T2724
	6. Source of Sample	WELL
	7. Sampling Method	Not Applicable
	8. Sample Quantity	2 LITRE
	9.Test performing dates	From:26.08.2025 To:26.08.2025

Sl. No	Characteristics	Unit	Test Method	Maximum acceptable limits as per IS 10500-2012	Limit of Quantification (LOQ)	Result
1	Colour	HU	APHA 24 th edition 2120-Colour method B	5	1 HU	5
2	Odour		IS 3025(part-5)-2018	Agreeable	Qualitative	Agreeable
3	Taste		IS 3025(part-8)-2023	Agreeable	Qualitative	Agreeable
4	Turbidity	NTU	IS 3025(part-10)-2023	1	0.5 NTU	0.95
5	pH at 25 ^o C		IS 3025(part-11)-2022	6.5-8.5	2	6.18
6	Electrical Conductivity at 25 ^o C	micro S/cm	IS 3025(part-14)-2013(Reaffirmed 2019)		10µS/cm	153.9
7	Acidity	mg/L	IS 3025(part-22)-2024		0.5mg/L	12.12
8	Total Alkalinity (as CaCO ₃)	mg/L	IS 3025(part-23)-2023	200	1mg/L	11.7
9	Sulphate (as SO ₄)	mg/L	IS 3025(part-24)-2022	200	5 mg/L	<5
10	Total Dissolved Solids	mg/L	IS 3025(part-16)-2023	500	5mg/L	98
11	Total Hardness (as CaCO ₃)	mg/L	IS 3025(part-21)-2009 (Reaffirmed 2023)	200	1mg/L	50
12	Calcium (as Ca)	mg/L	IS 3025(part-40)-2024	75	1mg/L	18.44

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	4. Sampling done by	CUSTOMER
	5. Sample Code	2025/QC/TVLA/T2724
	6. Source of Sample	WELL
	7. Sampling Method	Not Applicable
	8. Sample Quantity	1 LITRE
	9. Test performing dates	From 26.08.2025 To:26.08.2025

Sl. No	Characteristics	Unit	Test Method	Maximum acceptable limits as per IS 10500-2012	Limit of Quantification (LOQ)	Result
13	Magnesium (asMg)	mg/L	APHA 24 th edition 3500 – Mg method B	30	1mg/L	<1
14	Chloride (as Cl)	mg/L	IS 3025(part-32)- 1988 (Reaffirmed 2019	250	1mg/L	15.98
15	Fluoride (as F)	mg/L	APHA 24 th edition 4500 – F · D	1	0.05 mg/L	<0.05
16	Iron (as Fe)	mg/L	IS 3025(part-53)- 2024	1	0.01 mg/L	0.09
17	Nitrate (as NO ₃)	mg/L	APHA 24 th edition 4500 – NO ₃ ⁻ B	45	1.0mg/L	11.13
18	DO	mg/L	IS 3025 (Part-38) 1989 (Reaffirmed 2003)		2	NT
19	Total Suspended Solids (TSS)	mg/L	IS 3025(part-17)2022		2	NT
20	COD	mg/L	IS 3025(part-58)2023		4	NT

Remarks: -

NT- Not Tested

NB: -The results 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.

Verified By

Name: Nisha

Technical Manager



Authorized by

Name: Bindu Cherian

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	3. Time of Sampling	1.02 pm
	4. Sampling done by	CUSTOMER
	5. Sample Code	2025/QC/TVLA/T2724
	6. Source of Sample	WELL
	7. Sampling Method	Not Applicable
	8. Sample Quantity	250 ml
	9.Test performing dates	From: 25.08.2025 To:26.08.2025

BACTERIOLOGICAL ANALYSIS

Sl. No	Parameters	Acceptable limits as per IS 10500 – 2012	Test Method	Result
21	Total Coliforms	Shall not be detected/100 ml	IS 15185:2016 (Reaffirmed 2021)	<1 CFU/100 ml
22	<i>E. coli</i>	Shall not be detected/100 ml	IS 15185:2016 (Reaffirmed 2021)	<1 CFU/100 ml

Remarks: -

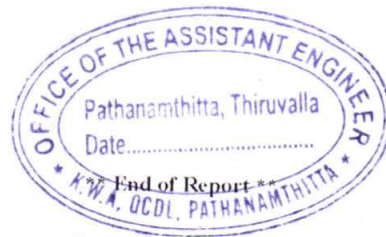
NB: -The results stated above related only to the sample(s) submitted for testing. This test Certificate shall not be reproduced except in full without the written approval of the Laboratory.

Verified By

Name: Remya G
Technical Manager
(Microbiology)

Authorized by

Name: Jini. S. Thankappen
Technical Manager
(Microbiology)



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	7. Sampling Method	Not Applicable
	8. Sample Quantity	2 LITRE
	9. Test performing dates	From:26.08.2025 To:26.08.2025

Sl. No	Characteristics	Unit	Test Method	Acceptable limits as per IS 10500-2012	Limit of Quantification (LOQ)	Result
1	Residual Chlorine	mg/L	Kit Method	0.2		1
2	BOD	mg/L	IS 3025(part-44)-2023			NT

Remarks: -

NT- Not Tested

NB: -The results 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.

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Verified By

Name: Nisha V

Technical Manager

Authorized by

Name: Bindhu Cherian

Quality Manager



QUALITY MANAGER
QUALITY CONTROL DISTRICT LABORATORY
KERALA WATER AUTHORITY
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