



QUALITY CONTROL SUB DISTRICT LAB
KERALA WATER AUTHORITY
 THALAYOLAPARAMBU, VAIKOM, KOTTAYAM
 Telephone No. 04829-292143, Email- qcsdlvkm@gmail.com



Test Report

ULR – TC1052024000000186F

TC-10520

Report No: 358/TPB/04/2024	Date: 12-04-2024
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Customer Name & Address RAJAGIRI AMALA CMI PUBLIC SCHOOL, MOOTHEDATHUKAVU, T.V PURAM P.O VAIKOM-686608	1.Date of Receipt	11-04-2024
	2.Sampling done by	Customer
	3.Sample Code	2024/QC/TPB/ T 2515
	4.Source of Sample	Drinking water (Open Well)
	5.Sample Quantity	2Ltr
	6 Sample condition	Acceptable
	7.Test performing dates: 11-04-2024 - 12-04-2024	

Sl. No	Characteristics	Unit	Test Method	Desirable limits As per IS 10500:2012	Limit of detection	Result
1	Colour	HU	APHA-24 th Edition- 2120 colour method B	5	1 to 100	1
2	Odour		IS 3025 (part 5) – 2018		Agreeable/Disagreeable	Agreeable
3	Taste		IS 3025(part8)-1984(Reaffirmed 2023)		Objectionable/Not Objectionable	Not Objectionable
4	Turbidity	NTU	IS 3025(part10)-1984 (Reaffirmed 2023)	1	0.5 to 100	0.24
5	pH at 25 °C		IS 3025(part 11)-1983 (Reaffirmed 2022)	6.5 - 8.5	2 to 12	7.59
6	Total Alkalinity (as CaCO ₃)	mg/l	IS 3025(part 23)-1986 (Reaffirmed 2023)	200	5 to 2000	49.5
7	Total dissolved solids TDS at 180 °C	mg/l	IS 3025(part16)-1984 (Reaffirmed 2023)	500	5 to 10000	86
8	Total hardness (as CaCO ₃)	mg/l	IS 3025(part21)-2009 (Reaffirmed 2019)	200	5 to 5000	4
9	Calcium (as Ca)	mg/l	IS 3025(part40)-1991 (Reaffirmed 2019)	75	5 to 2000	BDL
10	Magnesium (as Mg)	mg/l	APHA 24 th Edition 3500 – Mg method B	30	5 to 1000	BDL
11	Chloride (as Cl)	mg/l	IS 3025(part32)-1988 (Reaffirmed 2019)	250	5 to 5000	5.94

Sampling Points:

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

Verified By *Deepa*
 Technical Manager

Deepa
 Deepa Haleshmi L
 (Dy AM)

QUALITY CONTROL SUB DISTRICT LAB
 KERALA WATER AUTHORITY
 THALAYOLAPARAMBU, VAIKOM
 KOTTAYAM 686605

Authorized Signatory
 (Signature with name)

Page 1-1



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	3.Sample Code	2024/QC/TPB/ T 2515
	4.Source of Sample	Drinking water (Open Well)
	5.Sample Quantity	2Ltr
	6.Sample Condition	Acceptable
	7.Test performing dates: : 11-04-2024 - 12-04-2024	

Sl. No	Characteristics	Unit	Test Method	Desirable limits as per IS 10500:2012	Result
1	Electrical conductivity at 25 °C	(Microm-hos/cm)	IS 3025(part14)-2013 (Reaffirmed 2019)		128.5
2	Acidity	(mg/litre)	IS 3025(part22)-1986 (Reaffirmed 2019)		3.92
3	Sulphate (as SO ₄)	(mg/litre)	IS 3025(part24)-1986 (Reaffirmed 2019)	200	2.25
4	Fluoride (as F)	(mg/litre)	KIT METHOD	1	BDL
5	Iron (as Fe)	(mg/litre)	IS 3025(part53)-2003 (Reaffirmed 2014)	1	0.2
6	Nitrate(as NO ₃)	(mg/litre)	KIT METHOD	45	5
7	Residual Chlorine	(mg/litre)	KIT METHOD	0.2	NIL

Remarks: -

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Verified By *Remy*
Technical Manager

End of the Report

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Deepa Kaleshmi
(Dy GM)

Authorized Signatory
Page 1-1



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	2.Sampling done by	Customer
	3.Sample Code	2024/QC/TPB/ T 2515
	4.Source of Sample	Drinking water (Open Well)
	5.Sample Quantity	100 ml.
	6.Sample Condition	Acceptable
	7.Test performing dates: 11-04-2024 - 12-04-2024	

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

Test method

Coliforms: Membrane Filtration Method

E. coli: Membrane Filtration Method

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END OF REPORT

Abishayan

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Authorized By
Page 1-1