



QUALITY CONTROL SUB DISTRICT LABORATORY

KERALA WATER AUTHORITY,
KADUTHURUTHY, KOTTAYAM
Telephone No. 04829-299766, Email- qesdlkadu@gmail.com

TEST REPORT

Report No: KD784/KADU/08/2024	Date: 13.08.2024
Customer Name & Address	1.Date of Receipt
	08.08.2024
	2.Sampling done by
	FHC KADUTHURUTHY
	3.Sample Code
	2024/QCSDL/KADU/KD5195
	4.Source of Sample
	OPEN WELL
	5.Sample Quantity
	2 LITRES
	6.Sample condition
	ACCEPTABLE
	7.Test performing dates:08.08.2024 TO 09.08.2024

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)		59.88
2	Acidity	(mg/litre)	IS 3025(part22)-1986 (Reaffirmed 2019) Indicator method		NT
3	Sulphate (as SO ₄)	(mg/litre)	IS 3025(part24)-1986 (Reaffirmed 2019)Turbidity method	200	NT
4	Fluoride (as F)	(mg/litre)	Kit Method	1	NT
5	Iron (as Fe)	(mg/litre)	IS3025(part53)2003(Reaffirmed2014) 1,10 Phenanthroline method	1	BDL
6	Nitrate(as NO ₃)	(mg/litre)	Kit Method	45	BDL
7	Residual Chlorine	(mg/litre)	Kit Method	0.2	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

Reviewed and Authorized by
(Signature with Name)

Irshad Francis

Quality Control Sub District Lab

Kerala Water Authority

Kaduthuruthy

Pin - 686604, Kottayam



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TEST REPORT

Report No: KD784/KADU/08/2024

Date: 13.08.2024

Customer Name & Address	1.Date of Receipt	08.08.2024
ST. THERESE ENGLISH MEDIUM SCHOOL AYAMKUDY	2.Sampling done by	FHC KADUTHURUTHY
	3.Sample Code	2024/QCSDL/KADU/KD5195
	4.Source of Sample	OPEN WELL
	5.Sample Quantity	2 LITRES
	6.Sample conditions	ACCEPTABLE
	7.Test performing dates:08.08.2024 TO 09.08.2024	

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	NT
2	Odour		IS 3025 (part 5) –2018(Reaffirmed 2022)	Agreeable	Agreeable	NT
3	Taste		IS 3025(part 8)-1984(Reaffirmed - 2023)	Agreeable	Agreeable	NT
4	Turbidity	(NTU)	IS 3025(part 10)-1984(Reaffirmed- 2023)-Nephelometric method	1	0.5	BDL
5	pH at 25 °C		IS 3025(part 11)- 2022- Potentiometric method	6.5 - 8.5	2	5.4
6	Alkalinity	(mg/litre)	IS 3025(part 23)-1986(Reaffirmed- 2023)- Indicator method	200	5	NT
7	Total dissolved solids (TDS)	(mg/litre)	IS 3025(part 16)-1984(Reaffirmed- 2023)Gravimetric method/TDS Meter)	500	5	NT
8	Total hardness (as CaCO ₃)	(mg/litre)	IS 3025(part 21)-2009 (Reaffirmed 2019)EDTA method	200	5	12
9	Calcium (as Ca)	(mg/litre)	IS 3025(part 40)-1991(Reaffirmed- 2023)EDTA Titrimetric method	75	5	NT
10	Magnesium (as Mg)	(mg/litre)	APHA 24 th Edition(2023) 3500- Mg B Calculation method	30	5	NT
11	Chloride (as Cl)	(mg/litre)	IS 3025(part 32)1988-(Reaffirmed 2019) Argentometric method	250	5	10

Remarks:-

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*Sampling is not done by the Lab

*Kerala Water Authority

*NT- Not Tested

*End of the Report

Pin - 686604, Kottayam

Reviewed and Authorized by
(Signature with Name)

John Francis
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TEST REPORT

Report No: KD 784/KADU/ 08/2024	Date : 13.08.2024
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Customer Name & Address ST. THERESE ENGLISH MEDIUM SCHOOL AYAMKUDY	1.Date of Receipt	08.08.2024
	2.Sampling done by	FHC KADUTHURUTHY
	3.Sample Code	2024/QCSDL/KADU/KD5195
	4.Source of Sample	OPEN WELL
	5.Sample Quantity	100 ML
	6.Sample Condition	ACCEPTABLE
	7.Test performing dates :08.08.2024- 10.08.2024	

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

Remarks: -

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- *Samples will be retained only for 7 days after completion of analysis
- *Sampling is not done by the Lab

Quality Control Sub District Lab
Kerala Water Authority
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M. S. S.
Monisha S.S.

Authorized By

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