



KERALA WATER AUTHORITY
QUALITY CONTROL SUB DISTRICT LABORATORY
 IRINJALAKUDA, THRISSUR
 Telephone No - 0480-2997761, E-mail - kwa.qcsd.ijk@gmail.com



Test Report

TC-10493

Test Report. No : KWA/QCSDL/IJK-TSR/0852/2023

ULR No.: TC1049323000000341F

Report Date : 17/02/2023

Customer Name & Address			1. Date of Receipt : 14/02/2023		
CKMNSS SCHOOL, CHALAKUDY II, PIN:680307			2. Sampling done by : The Customer		
			3. UID No. of Sample : KWA/QCSDL/IJK-TSR/S-000852/2023		
			4. Source of Sample : TREATED WATER		
			5. Sample condition : Good		
			6. Name of sample : Water		
			7. Sample Quantity : 2 Litre		
			8. Test Performing Dates		
			From : 14/02/23 To 14/02/23		
Sl. No.	Characteristics	Unit	Test Method	Acceptable limits as per IS 10500 - 2012	Result
1	Colour	HU	IS 3025 (part 4) : 2021 Platinum Cobalt Visual Comparison Method	5	<5
2	Odour		IS 3025 (part 5-2018)		CHLORINE SMELL
3	Taste		IS 3025 (part 8) - 1984 (R. 2002)		AGREEABLE
4	Turbidity	(NTU)	IS 3025 (part 10) - 1984 (Reaffirmed 2017) Nephelometric method	1	0.72
5	PH at 25°C		IS 3025 (part 11) - 2022 Electrometric method	6.5 to 8.5	6.90
6	Total Alkalinity (as CaCO ₃)	(mg/litre)	IS 3025 (part 23) - 1986 (Reaffirmed. 2019) Titration method	200	18.00
7	Total Dissolved Solids (TDS)	(mg/litre)	IS 3025 (part 16) - 1984 (Reaffirmed. 2017) Gravimetric method	500	31.00
8	Total Hardness (as Ca CO ₃)	(mg/litre)	IS 3025 (part 21) - 2009 (Reaffirmed. 2019) EDTA Titration method	200	17.82
9	Calcium (as Ca)	(mg/litre)	IS 3025 (part 40) - 1991 (Reaffirmed. 2019) EDTA Titration method	75	3.98
10	Magnesium (as Mg)	(mg/litre)	APHA 3500-Mg.B Calculation method	30	1.92
11	Chloride (as Cl)	(mg/litre)	IS 3025 (part 32) - 1988 (Reaffirmed. 2019) Argentometric titration	250	10.76

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.

Reviewed by:

* End of Report *

Authorized By

Quality Manager,

Issue Date 10/01/2023	Issue No:2	KWA/QCSDL/IJK-TSR/R.No:6
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KERALA WATER AUTHORITY
QUALITY CONTROL SUB DISTRICT LABORATORY
IRINJALAKUDA, THRISSUR

Telephone No - 0487-2997761, E-mail - kwa.qcsdl.ijk@gmail.com

Test Report

Test Report. No : KWA/QCSDL/IJK-TSR/0852/2023

Report Date : 17/02/2023

Customer Name & Address			1. Date of Receipt : 14/02/2023		
CKMNSS SCHOOL, CHALAKUDY II, PIN:680307			2. Sampling done by : The Customer		
			3. UID No. of Sample : KWA/QCSDL/IJK-TSR/S-000852/2023		
			4. Source of Sample : TREATED WATER		
			5. Sample condition : Good		
			6. Name of sample : Water		
			7. Sample Quantity : 2 Litre		
			8. Test Performing Dates From : 14/02/23 To 14/02/23		
Sl. No.	Characteristics	Unit	Test Method	Acceptable limits as per IS 10500 - 2012	Result
1	Electrical Conductivity	(micro mhos/cm)	IS 3025 (part 14) - 2013 (Reaffirmed 2019) Electrometric method	-	56.27
2	Acidity	(mg/litre)	IS 3025 (part 22) - 1986 (R. 2019) Titration method	-	6.00
3	Sulphate (as SO ₄)	(mg/litre)	APHA 4500 (SO ₄ ²⁻ E) Turbidity method	200	0.78
4	Fluoride (as F)	(mg/litre)	APHA 4500 - F D Spadns method	1.0	0.30
5	Iron (as Fe)	(mg/litre)	IS 3025 (part 53) - 2003 (Reaffirmed. 2019) 1,10 Phenanthroline method	1.0	0.09
6	Nitrate (as NO ₃)	(mg/litre)	APHA 4500 - NO ₃ B. Ultraviolet screening method	45	1.33
7	Residual Chlorine	(mg/litre)	IS 3025 (part 26) - 1986 (R. 2021) Idometric method	0.2	NIL

Remarks:-

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Reviewed by:

* End of Report *

Authorized By:

Quality Manager,
Quality Control Sub District Laboratory
Kerala Water Authority
Irinjalakuda - 680 121

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Customer Name & Address CKMNSS SCHOOL , CHALAKUDY II , PIN:680307			1. Date of Receipt : 14/02/2023	
			2. Sampling done by : The Customer	
			3. UID No. of Sample : KWA/QCSDL/IJK-TSR/S-000852/2023	
			4. Source of Sample : TREATED WATER	
			5. Sample Condition : Good	
			6. Name of Sample : Water	
			7. Sample Quantity : 100ml	
			8. Test Performing Dates From : 14/02/23 To 15/02/23	
Sl. No.	Parameters	Acceptable limits as per-IS 10500-2012	Test Method	Result
1	Total Coliforms	Shall not be detected / 100ml	IS 15185 : 2016 ISO 9308 - I : 2014	NIL
2	E. Coli	Shall not be detected/ 100ml	IS 15185 : 2016 ISO 9308 - I : 2014	ABSENT

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Reviewed by:



Authorized By:

Haritha T.S.
Quality Manager,
Quality Control Sub District Laboratory
Kerala Water Authority
Irinjalakuda - 680 121

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