



KERALA WATER AUTHORITY
QUALITY CONTROL SUB DISTRICT LABORATORY
ATHIYANNUR, VIZHINJAM, THIRUVANANTHAPURAM
E-mail - qcSDL@gmail.com
Test Report



ULR No: TC108142300000001284F

Test Report. No. KWA/QCSDL/AY/2023/1284			Date of Report : 14.08.2023		
Customer Name & Address			1. Date of Receipt : 14.08.23		
SMITHA RAJESH (PRINCIPAL) MOUNT CARMEL RESIDENTIAL SCHOOL, KANJIRAMKULAM, THIRUVANANTHAPURAM, PIN - 695 524, PH : 9539125593			2. Sampling done by : The Customer (QUA_80309)		
			3. Sample Code : QCSDL/AY/2023/1284		
			4. Sample Particulars : Drinking Water		
			5. Sample Quantity : 2 Litres		
			6. Test Performing Dates		
			From : 14.08.2023 To : 16.08.2023		
Sl. No.	Characteristics	Unit	Test Method	Acceptable limits as per IS 10500 - 2012	Result
1	Colour	CU Units	IS 3025 (Part 4) 2021	5	15
2	Odour	Qualitative	IS 3025 (Part 5) 2018	Agreeable	Agreeable
3	Turbidity	(NTU)	IS 3025 (Part 10) 2023 Nephelometric Method	1	2.36
4	pH at 25°C	-	IS 3025 (Part 11) 2022 Electrometric Method	6.5 to 8.5	7.53
5	Total Alkalinity (as CaCO ₃)	(mg/litre)	IS 3025 (Part 23) 1986 Indicator Method	200	12.7
6	Total Dissolved Solids (TDS) at 180 °C±2 °C	(mg/litre)	IS 3025 (Part 16) 2023 Gravimetric Method	500	300
7	Total Hardness (as Ca CO ₃)	(mg/litre)	IS 3025 (Part 21) 2009 EDTA method	200	67.3
8	Calcium (as Ca)	(mg/litre)	IS 3025 (part 40) 1991 EDTA method	75	17.1
9	Magnesium (as Mg)	(mg/litre)	IS 3025 (part 46) 1994	30	5.9
10	Chloride (as Cl)	(mg/litre)	IS 3025 (Part 32) 1988 Argentometric method	250	130.3

Remarks:

- NB:-**
1. The results stated above related only to the sample(s) received for testing.
 2. This test report shall not be reproduced except in full without the written approval of the Laboratory.
 3. Retention period : 5 days from the date of completion of Analysis

Analyzed By

Rajam Kumar . B L
Rajam Kumar . B L

SHAMSUNISA DEEGUM P
SANITARY CHEMIST
 QUALITY CONTROL SUB DISTRICT LAB
 AUTHORIZED SIGNATORY
 ATHIYANNUR, VIZHINJAM
 THIRUVANANTHAPURAM

* End of Report *

KWA/QCSDL/AY/R/41	Issue No:2	Issue Date: 01/02/2023
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KERALA WATER AUTHORITY
QUALITY CONTROL DISTRICT LABORATORY
VELLAYAMBALAM, THIRUVANANTHAPURAM
 Tel : No : 0471 - 2735303, E-mail -aeqcdltvm@gmail.com

Test Report

Test Report. No. KWA/QCDL/TVM/2023/1284			Date of Report : 14.08.2023		
CUSTOMER NAME & ADDRESS			1. Date of Receipt : 14.08.2023		
SMITHA RAJESH (PRINCIPAL) MOUNT CARMEL RESIDENTIAL SCHOOL, KANJIRAMKULAM, THIRUVANANTHAPURAM, PIN - 695 524, PH : 9539125593			2. Sampling done by : The Customer (QUA 80309)		
			3. Sample Code : QCDL/TVM/2023/1284		
			4. Sample Particulars : Drinking Water		
			5. Sample Quantity : 2 Litres		
			6. Test Performing Dates		14.08.2023 to 16.08.2023
Sl.No.	Characteristics	Unit	Test Method	Acceptable limits as per IS 10500 - 2012	Result
1	Electrical Conductivity at 25 °C	(micro mhos/cm)	IS 3025 (Part 14) -2013	-	512.9
2	Acidity	(mg/litre)	IS 3025 (Part 22) - 1986 Indicator Method	-	3.9
3	Sulphate (as SO ₄)	(mg/litre)	IS 3025 (Part 24) - 2022 Turbidity Method Using Spectrometer	200	4.33
4	Fluoride (as F)	(mg/litre)	APHA 23rd Edition 4500 - FD : 2017 SPADNS Method	1.0	2.85
5	Iron (as Fe)	(mg/litre)	IS 3025 (Part 53) - 2003) 1, 10 Phenanthroline Method	1.0	0.20
6	Nitrate (as NO ₃)	(mg/litre)	APHA 23rd Edition 4500 - NO ₃ -B : 2017 UV Spectrophotometric Screening Method	45	6.19
7	Residual Chlorine	(mg/litre)	IS 3025 (Part 26 -2019)	0.2	NIL

Remarks:-

- NB:- 1. The results stated above related only to the sample(s) received for testing.
 2. This test report shall not be reproduced except in full without the written approval of the Laboratory.
 3. Retention period : 5 days from the date of Completion of Analysis

Analyzed By

SANITARY CHEMIST
 QUALITY CONTROL DISTRICT LAB
 KERALA WATER AUTHORITY
 THIRUVANANTHAPURAM
 Authorised Signatory

*End of Report

KWA/QCDL/TVM/R/41	Issue No:2	Issue Date: 31/05/2022
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KERALA WATER AUTHORITY
QUALITY CONTROL DISTRICT LABORATORY
VELLAYAMBALAM, THIRUVANANTHAPURAM

E-mail - aeequalitytvm@gmail.com

Test Report

Test Report. No -KWA/QCSDL/AY/2023/1284

Date of Report : 18.08.2023

Customer Name & Address			1. Date of Receipt : 14.08.2023	
SMITHA RAJESH (PRINCIPAL) MOUNT CARMEL RESIDENTIAL SCHOOL, KANJIRAMKULAM, THIRUVANANTHAPURAM, PIN - 695 524, PH : 9539125593			2. Sampling done by : The Customer(QUA_80309)	
			3. Sample Code : QCSDL/AY/2023/1284	
			4. Sample Particulars : Drinking Water	
			5. Sample Quantity : 250ml	
			6. Test Performing Dates	
			From : 16.08.2023	To : 18.08.2023
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 - 1 : 2014	PRESENT
2	E. Coli	Shall not be detected/ 100ml	IS 15185 : 2016 ISO 9308 - 1 : 2014	ABSENT

Remarks:-

- NB:- 1.The results stated above related only to the sample (s) received for testing.
2.This test certificate shall not be reproduced except in full without the written approval of the Laboratory.
3. Retention period : 7 days from the date of Analysis

Don P.

BACTERIOLOGIST
QUALITY CONTROL DISTRICT LAB
KERALA WATER AUTHORITY
THIRUVANANTHAPURAM

Analysed By

End of Report

Authorized Signatory

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