



**KERALA WATER AUTHORITY
QUALITY CONTROL SUB DISTRICT LAB
KALPETTA, WAYANAD**

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TC-10756

TEST REPORT

ULR No-TC1075623000001412F

Report No -KWA/KAL/1412/2023(QUA_79191)

Date: 11/08/2023

Customer Name & Address	1.Sample received on	: 07/08/2023
St. Joseph's Convent School Kalpetta	2.Sample description	:Drinking Water
	3.Sample condition	: Sealed
	4.Sampling done by	:Health Inspector
	5.Sample code	:1412/2023
	6.Source of sample	: Open Well
	7.Sample quantity	:1L
	8.Page no.	:1/2
Contact No.8281214505	9.Test performing dates	From: 07/08/2023 To 11/08/2023

Sl No	Characteristics	Unit	Test Method	Acceptable limits as per IS 10500-2012	Result
1	Colour	Pt Co. unit	IS 3025 (part 4)-2021 (Platinum Cobalt- Visual Comparison)	-	--
2	Odour		IS 3025 (part 5)-2018	Agreeable	--
3	Turbidity	NTU	IS 3025 (part 10)-2023(Nelphometric method)	1	1.30
4	pH at 25 °C		IS 3025 (PART 11)-2022(Electometric Method)	6.5 to 8.5	6.5
5	Alkalinity	mg/litre	IS 3025 (PART 23)-1986(Indicator Method)	200	--
6	Total Dissolved Solids (TDS) at 180 °C	mg/litre	IS 3025 (part 16)-2023(Gravimetric method)	500	130
7	Total Hardness (as CaCO ₃)	mg/litre	IS 3025 (part 21)-2009(EDTA Method)	200	77.2
8	Calcium (as Ca)	mg/litre	IS 3025 (part 40)-1994(EDTA Method)	75	--
9	Magnesium (as Mg)	mg/litre	IS 3025 (part 46)-1994 (Volimetric Method Using EDTA)	30	--
10	Chloride (as Cl)	mg/litre	IS 3025 (part 32)-1988 (Argentometric Mthod)	250	21.9

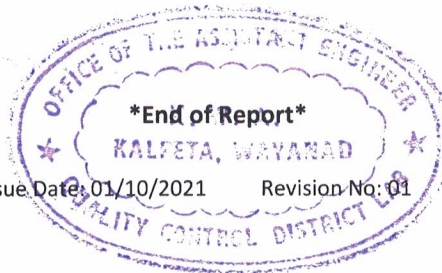
NB:-1) The results reported relate only to the samples received and tested. This test report shall not be reproduced except in full without the written approval of the Laboratory.

2) Retention days of sample is 5 days.

Tested By:

Authorized By: Deputy Quality Manager

DEPUTY QUALITY MANAGER
Quality Control Sub District Laboratory
Kalpetta, Wayanad



KWA/QCSDL/KAL/F/04

Issue No:01

Issue Date: 01/10/2021

Revision No: 01

Revision Date: 00



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Sl. No	Characteristics	Unit	Test Method	Acceptable limits as per IS 10500-2012	Result
12	Electrical conductivity at 25°C	(micro mhos/cm)	IS 3025 (part 14)-2013 (Wheatstone Bridge Conductance Cell Method)		217
17	Iron (as Fe)	(mg/litre)	IS 3025 (part 53)-2003 (Spectrophotometric method)	1.0	0.63
18	Nitrate (as NO ₃)	(mg/litre)	IS 3025 (part 34)-1988 (Spectrophotometric method)	45	30.3

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Tested By:

Authorized By: Deputy Quality Manager

TEST REPORT - BACTERIOLOGY

Sl. No	Characteristics	Unit	Test Method	Acceptable limits as per IS 10500-2012	Result
1	Coliforms	CFU/100 ml	IS 15185(part1) 2002 reaffirmed2016	Shall not be detectable in any 100ml sample	TNTC
2	E coli	CFU/100 ml	IS 15185(part1) 2002 reaffirmed2016	Shall not be detectable in any 100ml sample	TNTC

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2) Retention days of sample is 5 days.

Tested by:

Authorized By : Microbiologist