



PURE WASSER TECHNOLOGIES

WATER TESTING LABORATORY & TREATMENT CONSULTANTS

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KERALA STATE POLLUTION CONTROL BOARD APPROVED LABORATORY

Analysis Report

AR No: AR/PWT/8626/2022

Date : 21/06/2022

Name : C M I Christ School Iritty	Date & Time of sample collection : 17/06/2022	
Mob : 9497795450	Domestic ✓	Establishment
Address : Pin 670703	Sample collected by : Client	
Email :	Sample delivered by : Client	
	Date & Time of delivery : 18-06-2022 01:10pm	
Source of Sample: Open well	Sample received by : Analyst 1	
Sample container : Plastic Bottle & Sterilized Bottle	Sample condition : Fit for Analysis	
Type of Test	Chemical ✓	Microbiological ✓
	Period of Analysis : 18/06/2022 to 21/06/2022	

Sl No	Parameter	Unit	Test method APHA	Results	Acceptable limit IS 10500:2012	Permissible limit in the absence of alternate source
1	Colour	Hazen	2120 B	<1	5	15
2	Odour		2160 A	Agreeable	Agreeable	Agreeable
3	Electrical conductivity @25°C	µS/cm	2510 B	41		
4	Turbidity	NTU	2130 B	0.1	1	5
5	Total Dissolved solids	mg/L	2540 C	30	500	2000
6	pH @25°C	-	4500 H B	5.89	6.5 - 8.5	
7	Total Alkalinity	mg/L	2320 B	10	200	600
8	Total Hardness as CaCO ₃	mg/L	2340 C	12	200	600
9	Calcium Hardness as CaCO ₃	mg/L	3500 Ca B	8		
10	Magnesium Hardness as CaCO ₃	mg/L	3500 Mg B	4		
11	Calcium	mg/L	3500 Ca B	3.20	75	200
12	Magnesium	mg/L	3500 Mg B	0.97	30	100
13	Chloride	mg/L	4500 Cl B	10	250	1000
14	Sulphate	mg/L	4500 SO ₄ E	0.6	200	400
15	Nitrate as NO ₃	mg/L	4500 NO ₃ E	2.19	45	No relaxation
16	Ammonia as N	mg/L	4500 NH ₃ F	BDL	0.5	No relaxation
17	Iron	mg/L	3500 Fe B	BDL	0.3	1.0
Bacteriology						
18	Total Coliform	cfu/100ml	9222B	Nil /100ml	Nil / 100ml	No relaxation
19	Fecal Coliform (thermotolerant)	cfu/100ml	9222D	Nil /100ml	Nil / 100ml	No relaxation

The report is of the sample tested only and shall not be reproduced except in full.

Remarks: pH is below the acceptable limit. Add good quality lime at the rate of 150g per 4000L water (one pata) to raise the pH to the acceptable limit

BDL = Below detection level



Authorized signatory