



KERALA WATER AUTHORITY
QUALITY CONTROL DISTRICT LABORATORY
KOTTAYAM

Report on Analysis of WATER

Date : 14/01/2021

Test Report No : 491/20-21

Name : Mount Carmel Vidyanikethan, Muttambalam PO, Kottayam

Date of Receipt : 30/12/2020

Date of Testing : 04/01/2021

SI No.	Characteristics	Unit	Desirable limits as per IS 10500 : 2012	Permissible limits	Actual Contents
					Sampling Points
					1
1	Turbidity	NTU	1	5	0.9
2	pH		6.5-8.5	No relaxation	6.14
3	Electrical Conductivity	µs/cm			102.9
4	Acidity	mg/litre			4.0
5	Alkalinity	mg/litre	200	600	6.0
6	Sulphate (as SO ₄)	mg/litre	200	400	NIL
7	Total Dissolved Solids(TDS)	mg/litre	500	2000	57.62
8	Total Hardness as (CaCO ₃)	mg/litre	200	600	32.0
9	Calcium (Ca)	mg/litre	75	200	8.01
10	Magnesium (Mg)	mg/litre	30	100	1.46
11	Chloride as (Cl)	mg/litre	250	1000	28.0
12	Fluoride as (F)	mg/litre	1	1.5	NIL
13	Iron (as Fe)	mg/litre	1	No relaxation	NIL
14	Nitrate (as NO ₃)	mg/litre	45	No relaxation	NIL

Sampling Points

1 Mount Carmel Vidyanikethan, Muttambalam PO, Kottayam

Remarks:

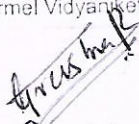
Low pH, Lime may be added to increase the pH.


 Signature of Chemist

BACTERIOLOGICAL ANALYSIS

SI No.	Source	Residual Chlorine in ppm	CFU of coliforms in 100ml	CFU of E.Coli
1	Mount Carmel Vidyanikethan, Muttambalam PO, Kottayam	NIL	NIL	NIL

Remarks:


 Signature of Bacteriologist


 Signature of Asst. Engineer



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