



GeoMax

Water Quality Analysis Lab

(Kerala Govt. PCB approved)

Approval No: PCB/CL/RL/96 A/2021

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REPORT ON ANALYSIS OF WATER

Name & Address : BENCHMARK INTERNATIONAL SCHOOL-TIRUR

Source of sample : FILTER UNIT (SAMPLE COLLECTED & BROUGHT BY PARTY)

Date of Collection : 21/06/2025

Date of Testing : 21/06/2025

Reference No: GM/14354

Sl No.	Characteristics	Unit	Method	Desirable limits	Actual Contents
1	Turbidity	NTU	IS 10500/Part10	1	0.1
2	Colour	Hazen	IS 10500/Part 4	5	1
3	Odour		IS 10500/Part 5	-	Agreeable
4	pH Value		IS 10500/Part11	6.50 -8.50	6.51
5	Electrical Conductivity	µs/cm			118.9
6	Total Dissolved Solids (TDS)	mg/litre	IS 10500/Part16	500	68.45
7	Acidity	mg/litre	IS 10500/Part22	-	25.0
8	Alkalinity(Total)	mg/litre	IS 10500/Part23	200	33.2
9	Total Hardness(as CaCO ₃)	mg/litre	IS 10500/Part21	200	30.0
10	Calcium	mg/litre	IS 10500/Part40	75	8.0
11	Magnesium	mg/litre	IS 10500/Part46	30	2.43
12	Chloride	mg/litre	IS 10500/Part32	250	20.6
13	Iron	mg/litre	IS 10500/Part53	1	0.005
14	Nitrate	mg/litre	IS 10500/Part34	45	3.65
15	Sulphate	mg/litre	IS 10500/Part24	200	2.48
16	Ammonia	mg/litre	IS 10500/Part34	0.5	BDL
17	Residual, free chlorine	mg/litre	IS 10500/Part26	0.2	BDL
Microbiological Parameters					
18	Total Coliform	MPN/100ml	IS 1622	0	0
19	E-Coli	No Of colonies/100ml-	IS 1622	Absent/100	ABSENT

Remarks: All the above tested parameters are within the desirable limit.

BDL: BELOW DETECTION LEVEL.

Signature of chemist
Signature of micro biologist