



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 : ANSAR ENGLISH SCHOOL-KOLALAMBA
Source of sample : OPEN WELL (SAMPLE COLLECTED & BROUGHT BY PARTY)
Date of Collection : 08/11/2023
Date of Testing : 08/11/2023

Reference No: GM/9017

Sl No.	Characteristics	Unit	Method	Desirable limits	Permissible limit (in the absence of alternative source)	Actual Contents
1	Turbidity	NTU	IS 10500/Part10	1	5	0.7
2	Colour	Hazen	IS 10500/Part 4	5	-	1
3	Odour		IS 10500/Part 5	-	-	Agreeable
4	P ^H Value		IS 10500/Part11	6.50 –8.50	6.50 – 8.50	5.02
5	Electrical Conductivity	µs/cm			-	116.6
6	Total Dissolved Solids (TDS)	mg/litre	IS 10500/Part16	500	2000	60.35
7	Acidity	mg/litre	IS 10500/Part22	-	-	45.0
8	Alkalinity(Total)	mg/litre	IS 10500/Part23	200	600	20.0
9	Total Hardness(as CaCO ₃)	mg/litre	IS 10500/Part21	200	600	25.0
10	Calcium	mg/litre	IS 10500/Part40	75	200	8.0
11	Magnesium	mg/litre	IS 10500/Part46	30	30	1.21
12	Chloride	mg/litre	IS 10500/Part32	250	1000	20.9
13	Iron	mg/litre	IS 10500/Part53	0.30	1.00	0.051
14	Nitrate	mg/litre	IS 10500/Part34	45	-	1.99
15	Sulphate	mg/litre	IS 10500/Part24	200	400	2.57
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	Absent/100	14
19	E-Coli	No Of colonies/100ml-	IS 1622	Absent/100	Absent/100	ABSENT

Remarks: pH value is low, use proper technique to increase pH. Total coli form bacteria are present, proper disinfection should be done.

BDL: BELOW DETECTION LEVEL.

Signature of chemist
Signature of micro biologist