



KERALA STATE POLLUTION CONTROL BOARD APPROVED LABORATORY

Report No: VAL004239	Sample Date: 19-06-2025	Sample Received By: Lameesa K
Name: AMRITHA VIDYALAYAM	Source Of sample: Open Well	Sample Delivered By: Client
Mob No: 9446583707	Sample Container: Sterilized Bottle	Date Of Receipt: 19-06-2025 03:39:PM
Address: Narukara, Manjeri	Sample Collected By: Client	Period Of Analysis: 19/06/2025 To 23/06/2025

Sl No	Parameter	Test Method	Result	Unit	Available Limit IS-10500:2012
PHYSICAL					
1	Colour	2120B	Slightly Clear	Hazen	Maximum 5
2	Odor	2150A	Agreeable	---	Agreeable
3	Turbidity	2130B	2.5	NTU	Maximum 1
4	Electrical conductivity	2510B	58	µS/cm	No Limit
5	Total Dissolved Solids- TDS	2540C	31	mg/L	Maximum 500
CHEMICAL					
6	pH @25°C	4500H+B	4.6	---	6.5-8.5
7	Total Alkalinity	2320B	9	mg/L	Maximum 200
8	Acidity	2310B	22	mg/L	No Limit
9	Total Hardness as CaCO ₃	2340C	2	mg/L	Maximum 200
10	Calcium Hardness as CaCO ₃	3500Ca B	1	mg/L	No Limit
11	Magnesium Hardness as CaCO ₃	3500Mg B	1	mg/L	No Limit
12	Calcium	3500Ca B	0.4	mg/L	Maximum 75
13	Magnesium	3500 Mg B	0.24	mg/L	Maximum 30
14	Chloride	4500Cl B	13	mg/L	Maximum 250
15	Sulphate	4500SO ₄ E	3.71	mg/L	Maximum 200
16	Ammonia as N	4500NH ₃ F	BDL	mg/L	Maximum 0.50
17	Iron	3500Fe B	0.47	mg/L	Maximum 0.3
MICROBIOLOGICAL					
18	Total Coliforms	9222B	Absent	Cfu/100ml	Shall be absent
19	Fecal Coliforms	9222D	Absent	Cfu/100ml	Shall be absent

BDL : Below Detection Level

Remarks : Low pH, pH can be raised by adding small quantity of lime (Calcium hydroxide). Turbidity and Iron Value Exceed Permissible Limit. No Bacteria Presence Found. IRF/RO Filtration Recommended.

Water is essential for life. People depend on safe water for their health and livelihood. But contaminated water leads to millions of deaths and even more illness every year.

Systems using surface water sources need to be disinfected/Treated. So as to ensure that all bacterial contamination like E-Coli must be inactivated. To kill or inactivate E-coli, water should be treated using chlorine, ultraviolet treatment system or ozone. Pesticides and fertilizers from agricultural operations, naturally occurring hazardous chemicals, such as arsenic, sewage and food processing wastes also contaminants water.



[Signature]

MICROBIOLOGIST

[Signature]

CHIEF ANALYST