

GOVERNMENT OF TELANGANA
DEPARTMENT OF WATER AND WASTE WATER EXAMINATION
Directorate of I.P.M,P.H.Labs,Food (H) Administration, Narayanaguda.

REPORT OF BACTERIOLOGICAL ANALYSIS OF WATER

1. Sample From: The Principal, Paramita World School, Alugunoor, Karim Nagar
2. Collected by: Self
3. Collected on : 18.03.2024
4. Received on : 18.03.2024

Lab. Ref. No.	Source	Exact location	Residual Chlorine mg per liter	Total Coliform Bacteria (MPN Index) per 100ml	Faecal Coliform Bacteria per 100ml	Esch. Coli per 100ml
6200	R.O water	R.O water at above address	.....	Nil	....	....
6201	R.O water (TPC)	R.O water at above address	Total Aerobic Bacterial Plate Count for 24 hrs at 37 ^o c = 1 CFU / ml			

Remarks: The above samples are bacteriologically satisfactory .

Pranavi 22/3/24
Dy. Chief Water Analyst
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Dept. of Water & Waste Water A:
Institute of Preventive Medicine
Public Health Labs & Food (H) Adm:
Narayanaguda, Hyderabad-29

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Directorate of I.P.M,P.H.Labs, Food (H) Administration, Narayanaguda, Hyderabad – 29.

REPORT OF PHYSICO CHEMICAL ANALYSIS OF WATER

Sample From	The Principal,	Collected by	Self
Address	Paramita World School, Alugunoor, Karim Nagar	Collected on	18.03.2024
		Received on	18.03.2024
District	Karim Nagar	Sample volume	2 ltr
State	Telangana	Sample ID	6204
Source profile	Borewell water		

S.No	Parameter	Source / Sample ID	Drinking Water -Specification As per IS 10500 :2012	
			Requirement (Acceptable)	Permissible limit in the absence of alternative source
Physical parameters				
1	colour(Hazen),max	<5	5	15
2	Turbidity (NTU),max	1.92	1	5
3	Odour	Un-Objectionable	Un-Objectionable	Un-Objectionable
4	Taste	Acceptable	Agreeable	Agreeable
5	p ^H	5.5	6.5 - 8.5	No relaxation
6	Electrical Conductivity at 25°C (Micro Mhos/cm)	63	....	....
7	TDS(mg/L),max	41	500	2000
Chemical parameters (mg/L)				
1	Alkalinity(as CaCO ₃),phenolphthalein ,max	Nil	...	...
2	Total alkalinity (as CaCO ₃),max	11	200	600
3	Total hardness ,max (as CaCO ₃)	7	200	600
4	Calcium hardness (as CaCO ₃),max	5	....	.....
5	Magnesium hardness (as CaCO ₃),max	2	....	.....
6	Calcium (as Ca),max	2	75	200
7	Magnesium (as Mg),max	0.48	30	100
8	Ammonical Nitrogen,max	Nil	....	....
9	Nitrite(as N),max	Nil	....	....
10	Nitrate(as N),max	1.2	45	No relaxation
11	Sulphate (as SO ₄),max	Nil	200	400
12	Chloride(as Cl),max	14	250	1000
13	Fluoride(as F),max	0.09	1.0	1.5
14	Iron (as Fe),max	Nil	0.3	No relaxation

Remarks: The given sample PH Value is below the permissible limit .Advised to adjust to normal limits.


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