

GOVERNMENT OF TELANGANA
DEPARTMENT OF WATER AND WASTE WATER EXAMINATION
 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, St. Francis De Sales School,		Collected by	G.Peter
Address		Shanthi Nagar, N.Lallaguda, Sec-bad		Collected on	15-10-2024
District		Hyderabad		Received on	15-10-2024
State		Telangana		Sample volume	2 ltr
Source profile		Metro water / R.O water		Sample ID	8956 / 8959
S.No	Parameter	Source / Sample ID		Drinking Water -Specification As per IS 10500 :2012	
		Direct Metro water collected at above address / 8956	Direct R.O water / 8959	Requirement (Acceptable)	Permissible limit in the absence of alternative source
Physical parameters					
1	colour(Hazen),max	<5	<5	5	15
2	Turbidity (NTU),max	2.0	0.92	1	5
3	Odour	Un-Objectionable	Un-Objectionable	UnObjectionable	UnObjectionable
4	Taste	Agreeable	Agreeable	Agreeable	Agreeable
5	p ^H	7.0	6.7	6.5 - 8.5	No relaxation
6	Electrical Conductivity at 25°C (Micro Mhos/cm)	452	97	....	....
7	TDS(mg/L),max	294	63	500	2000
Chemical parameters (mg/L)					
1	Alkalinity(as CaCO3),phenolphthalein ,max	Nil	Nil	...	...
2	Total alkalinity (as CaCO3) ,max	76	15	200	600
3	Total hardness (as CaCO3),max	116	9	200	600
4	Calcium hardness (as CaCO3),max	60	7	....	.....
5	Magnesium hardness (as CaCO3),max	56	2	....	.....
6	Calcium (as Ca),max	24	2.8	75	200
7	Magnesium (as Mg),max	13.6	0.48	30	100
8	Ammonical Nitrogen,max	Nil	Nil	....	....
9	Nitrite(as N),max	Nil	Nil	....	....
10	Nitrate(as N),max	2.2	1.3	45	No relaxation
11	Sulphate (as SO4),max	4	1	200	400
12	Chloride(as Cl),max	48	16	250	1000
13	Fluoride(as F),max	0.37	0.13	1.0	1.5
14	Iron (as Fe),max	Nil	Nil	0.3	No relaxation

Remarks: The given sample is physico chemically satisfactory .

Pranavi 22/10/24
Dy.Chief Water Analyst

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