

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: Orchid The School, Sy.No: 369, Ashok Manoj Nagar behind Saket, Sriyam Tower Rd, Kapra, Sec-bad.

2. Collected by: Mujahed Ali

3. Collected on : 08-05-2024

4. Received on: 08-05-2024

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
6946	R.O water	Direct R.O water	...	Nil	....	....
6947	R.O water (TPC)	Direct R.O water	Total Aerobic Bacterial Plate Count for 24 hrs at 37 ⁰ c = ≤1 CFU / ml			

Remarks: The above samples are bacteriologically satisfactory .


Dy. Chief Water Analyst

Institute of Preventive Medicine
Public Health Labs & Food (H) Admn.
Narayanaguda, Hyderabad-28, T.S.

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	Orchid The School,	Collected by	Mujahed Ali
Address	Sy.No: 369, Ashok Manoj Nagar behind Saket, Sriyam Tower Rd, Kapra, Sec-bad.	Collected on	08-05-2024
		Received on	08-05-2024
District	Hyderabad.	Sample volume	2 ltr
State	Telangana	Sample ID	6948
Source profile	R.O 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
		Direct R.O water / 6948		

Physical parameters				
1	colour(Hazen),max	<5	5	15
2	Turbidity (NTU),max	0.58	1	5
3	Odour	Un-Objectionable	Un-Objectionable	Un-Objectionable
4	Taste	Agreeable	Agreeable	Agreeable
5	p ^H	6.6	6.5 - 8.5	No relaxation
6	Electrical Conductivity at 25°C (Micro Mhos/cm)	187	....	....
7	TDS(mg/L),max	123	500	2000

Chemical parameters (mg/L)				
1	Alkalinity(as CaCO ₃),phenolphthalein ,max	Nil	...	...
2	Total alkalinity (as CaCO ₃),max	38	200	600
3	Total hardness ,max (as CaCO ₃)	45	200	600
4	Calcium hardness (as CaCO ₃),max	30	....	.....
5	Magnesium hardness (as CaCO ₃),max	15	....	.....
6	Calcium (as Ca),max	12	75	200
7	Magnesium (as Mg),max	3.6	30	100
8	Ammonical Nitrogen,max	Nil	....	....
9	Nitrite(as N),max	Nil	....	....
10	Nitrate(as N),max	1.1	45	No relaxation
11	Sulphate (as SO ₄),max	1.0	200	400
12	Chloride(as Cl),max	33	250	1000
13	Fluoride(as F),max	0.13	1.0	1.5
14	Iron (as Fe),max	Nil	0.3	No relaxation

Remarks: The above sample is physico chemically satisfactory .

(Signature)
Dy.Chief Water Analyst
 Institute of Preventive Medicine
 Public Health Labs & Food (H) Ad
 Narayanaguda, Hyderabad-29, T.S