

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

REPORT OF BACTERIOLOGICAL ANALYSIS OF WATER

1. Sample From: Mrs.M.Uma Devi , Principal Oasis School of Excellence, Ammapally, Shamshabad , R R Dist
2. Collected by: Mr A.Ramulu
3. Collected on : 15/7/2022
- 4.Received on: 15/7/2022

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
6382	Borewell water	Direct borewell water collected at above address	....	1100	Absent	Absent
6384	Filter water	Filter water through tap	....	210	Absent	Absent
6385	Filter water	Filter water through tap	Total Aerobic Bacterial Plate Count for 24 hrs at 370c = Too Numerous To Count (TNTC)			

Remarks: The given samples are bacteriologically unsatisfactory for drinking purpose due to presence of coliform bacteria .

Periodical chlorination in borewell , Cleaning of filter & servicing is advised.


26/7/22
Dy. Chief Water Analyst

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REPORT OF PHYSICO CHEMICAL ANALYSIS OF WATER

Sample From	Mrs.M.Uma Devi , Principal Oasis School of Excellence	Collected by	Mr A.Ramulu		
Address	Ammapally, Shamshabad , R R Dist	Collected on	15/7/2022		
		Received on	15/7/2022		
District	Rangareddy	Sample volume	2 ltr		
State	Telangana	Sample ID	6383 / 6386		
Source profile	Borewell / Filter water				
S.No	Parameter	Source / Sample ID		LIMITS AS PER IS 10500-2012	
		Direct borewell water collected at above address / 6383	Filter water through tap / 6386	Requirement (Acceptable)	Permissible limit in the absence of alternative source
Physical parameters					
1	colour(Hazen),max	<5	<5	5	25
2	Turbidity (NTU),max	1.56	2.01	5	10
3	Odour	UnObjectionable	UnObjectionable	UnObjectionable	UnObjectionable
4	Taste	Acceptable	Acceptable	Acceptable	Acceptable
5	p ^H	7.60	7.66	6.5 - 8.5	No relaxation
6	Electrical Conductivity at 25°C (Micro Mhos/cm)	854	124	....	....
7	TDS(mg/L),max	555	80.6	500	2000
Chemical parameters (mg/L)					
1	Alkalinity(as CaCO ₃) ,phenolphthalein ,max	Nil	Nil	...	...
2	Total alkalinity (as CaCO ₃) ,max	32.8	39	200	600
3	Total hardness (as CaCO ₃),max	320	36	300	600
4	Calcium hardness (as CaCO ₃),max	180	22	....	.....
5	Magnesium hardness (as CaCO ₃),max	140	14	....	.....
6	Calcium (as Ca),max	72	8.8	75	200
7	Magnesium (as Mg),max	34.1	3.4	30	100
8	Ammonical Nitrogen,max	Nil	Nil	....	....
9	Nitrite(as N),max	Nil	Nil	....	....
10	Nitrate(as N),max	29.7	1.6	45	100
11	Sulphate (as SO ₄),max	1	Nil	200	400
12	Chloride(as Cl),max	52	11	250	1000
13	Fluoride(as F),max	1.05	0.09	1.0	1.5
14	Iron (as Fe),max	Nil	Nil	0.3	1.0

Remarks : The sample Lab Ref No:6383 is physico chemically unsatisfactory for drinking purpose as total hardness is above desirable limit.

The sample Lab Ref No:6386 is physico chemically satisfactory for drinking purpose.

A. Srinivas
26/7/22
Dy.Chief Water Analyst