

GOVERNMENT OF ANDHRAPRADESH
DIRECTORATE OF I.P.M.PH. LABS, FOOD (H) ADMN, MANGALAGIRI, GUNTUR DISTRICT
REGIONAL PUBLIC HEALTH LABORATORY, GUNTUR

REPORT OF PHYSICO CHEMICAL ANALYSIS OF WATER

Sample from	St. Joseph's English Medium High School, D.No:45-1-20B,RS.No:233/2, Gunadala,Vijayawada, NTR Dt.	Lab. Ref. No:	8875
		Collected on	29-08-2024
		Received on	29-08-2024
Collected by	K.Srinivasa Rao.	Source Profile	RO water

S.No	Parameter	Source / Sample Drinking water tap (Ro) in School.	Limits as per IS 10500:2012	
			Desirable (Acceptable limit)	Permissible limit in the absence of alternative source
Physical Parameters				
1	Colour (Hazen units)	<5.0	5	15
2	Turbidity in NTUS`	0.1	1	5
3	Odour	Unobjectionable	Unobjectionable	Agreeable
4	pH	7.1	6.5 – 8.5	No relaxation
5	Conductivity at 25 °C (Micro Mhos/ Cm)	145	...	
6	TDS (mg/L)	96	500	2,000
Chemical parameters (mg/L)				
1	Alkalinity (as CaCO ₃)	Nil	...	
2	Total Alkalinity. Max	28	200	600
3	Total hardness max	32	300	600
4	Calcium hardness (as CaCO ₃)	16	..	
5	Magnesium hardness (as CaCO ₃)	16	..	
6	Calcium (as Ca)	6.0	75	200
7	Magnesium (as Mg)	4.0	30	100
8	Ammonical Nitrogen	Nil	...	
9	Nitrite (as N)	Nil	...	
10	Chloride (as Cl)	32	250	1,000
11	Fluoride (as F)	0.1	1	1.5
12	Iron (as Fe)	Nil	0.3	No relaxation

Remarks: The given sample physico chemically all the analysed parameters are within the desirable limits and satisfactory for drinking purpose.



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 3/8/2024

GOVERNMENT OF ANDHRA PRADESH
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REGIONAL P.H. LABORATORY, MEDICAL COLLEGE CAMPUS, GUNTUR -4
REPORT OF MICROBIOLOGICAL ANALYSIS OF WATER

Sample(s) from :St.Joseph's English Medium High School,D.No:45-1-20B,RS.No:233/2,
Gunadala,Vijayawada,NTR Dt.

Collected on : 29.08.2024

Received on : 29.08.2024

Paid / Free : Paid

Collected by : Self

S.No	Lab Ref. No	SOURCE	Residual Chlorine mg.per litre	MPN of Coliform Bacteria Per 100 ml.	Nature of Coliform Bacteria Isolated	MPN of Esch. coli.
1	8876	Drinking water tap(Ro) in School.	Nil	Nil	-	-

Remarks:- The given sample is bacteriologically satisfactory for drinking purpose as evidenced by the Nil MPN count of coliform bacteria.



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