

**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	Nalanda Vidya Niketan, D.No: 6-172,Ganguru, Poranki, Penamaluru, Vijayawada Rural, Krishna Dt.	Lab. Ref. No:	1706
		Collected on	25.02.2025
		Received on	25.02.2025
Collected by	Self.	Source Profile	Ro water

		Source / Sample	Limits as per IS 10500:2012	
		Drinking water tap (Ro) at above address.		
S.No	Parameter		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)	150	...	
6	TDS (mg/L)	99	500	2,000
Chemical parameters (mg/L)				
1	Alkalinity (as CaCO <sub>3</sub> )	Nil	...	
2	Total Alkalinity. Max	24	200	600
3	Total hardness max	32	300	600
4	Calcium hardness (as CaCO <sub>3</sub> )	16	..	
5	Magnesium hardness (as CaCO <sub>3</sub> )	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)	28	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.



*R. Prasad*  
**Senior Analyst\* (Water)**  
**Regional Laboratory**  
**Medical College Campus,**  
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**GOVERNMENT OF ANDHRA PRADESH**  
**DIRECTORATE OF I.P.M., P.H. LABS, FOOD (H), ADMINISTRATION, MANGALAGIRI, GUNTUR.**  
**REGIONAL P.H. LABORATORY, MEDICAL COLLEGE CAMPUS, GUNTUR -4**  
**REPORT OF MICROBIOLOGICAL ANALYSIS OF WATER**

Sample(s) from: Nalanda Vidya Niketan, D.No: 6-172, Ganguru, Poranki, Penamaluru, Vijayawada Rural, Krishna Dt.

Collected on: 25.02.2025

Received on : 25.02.2025

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	MP N of Esch coli.
1	1707	Tap water(Ro) at above address.	Nil	Nil	-	-

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



*D. P. N. S.*  
25/2  
**Senior Analyst (Water)**  
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