

GOVERNMENT OF ANDRAPRADESH

DIRECTORATE OF INSTITUTE OF PREVENTIVE MEDICINE, P.H.LABS & FOOD (H) ADMN, AMARAVATHI, A.P

District Public Health Laboratory, Kotadibba - ELURU-534001

REPORT OF PHYSICO CHEMICAL AND BACTERIOLOGICAL ANALYSIS OF WATER

Sample from: Bodhi Tree EM School, Near Sai Baba Stupam, opp Manikanta Grand, Town Ship, Jangareddygudem Eluru		Lab Ref.No: 121 - CB
Collected on	: 12.04.2025	Received on : 12.04.2025
Collected By	: Self	
Source profile/Id.No.: Bore Water		

PHYSIO CHEMICAL PARAMETERS

S.No.	Parameter	Result	Limits as per IS 10500:2012	
			Desirable (acceptable limit)	Permissible limit in the absence of alternative source
1	Colour	Colourless	5	15
2	Turbidity	0.3	1	5
3	Odour	Odourless		
4	p ^H	7	6.5-8.5	No Relaxation
5	Electrical conductivity at 25 ^o c Micro Mhos/cm	140	...	...
6	T.D.S (Mg.L)	92	500	2,000

Chemical Parameters (Mg/ L)

1		...	...	...
2	Total Alkalinity	20	200	600
3	Total Hardness	20	300	600
4	Calcium Hardness (as CaCO ₃)	8	...	...
5	Magnesium Hardness	12	...	...
6	Calcium (as Ca.)	3.2	75	200
7		2.93	30	100
8	Ammonical Nitrozen	Nil	...	...
9	Nitrite (as.N.)	Nil	...	...
10	Sulphates (as.SO ₄ .)	Nil	...	...
11	Chloride (as Cl.)	40	250	1000
12	Fluoride (as F.)	0.1	1	1.5
13	Iron (as Fe.)	Nil	0.3	No Relaxation

BACTERIOLOGICAL PARAMETERS

14	Residual Chlorine mg per liter	MPN of Coli form Bacteria per 100/ml.	Nature of Coli form Bacteria isolated.
	Nil	Nil	Nil

Remarks:

All the above analysed Physico, Chemical & Bacteriological Characteristics are within the desirable limits for human consumption.



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