

GOVERNMENT OF ANDHRA PRADESH				
Directorate of I.P.M.,P.H.Labs, Food(H) Administration, Vijayawada-25				
District Public Health Laboratory & Water Quality Monitoring Laboratory, ONGOLE				
Report of Physical and Chemical Analysis of Water				
Sample from : SAIBABA CENTRAL SCHOOL, PELLURU (V) ONGOLE (M) PRAKASAM (DIST)			Lab.Ref.No: 300	
			Collected on : 13-02-2023	
			Received On: 13-02-2023	
			Paid/Free : paid	
Collected by : self (Ch. Anand)			Limits as per IS 10500:2012	
Source/ Sample: R.O. WATER (OWN WATER PLANT)			Desirable (Acceptable limit)	Permissible limit in the absence of alternative source
Sl. No	Physical Parameters			
1	Colour (Hazen units)	colourless	5	15
2	Turbidity (NTU)	— nil —	1	5
3	Odour	Agreeable	Agreeable	Agreeable
4	pH Value	6.5	6.5 - 8.5	No relaxation
5	E.C.at 25° C Micro Mhos/cm	106	—	—
6	Total dissolved solids Mg/Lt.	70	500	2,000
Chemical Parameters(mg/L)				
1	Phenolphthalein Alkalinity (as CaCO ₃)	— nil —	—	—
2	Total alkalinity Max	16	200	600
3	Total Hardness Max	34	200	600
4	Calcium Hardness (as CaCO ₃)	14	—	—
5	Magnesium Hardness(as CaCO ₃)	20	—	—
6	Calcium (as Ca)	06	75	200
7	Magnesium (as Mg)	05	30	100
8	Nitrite (as N)	— nil —	—	0.02
9	Ammonical Nitrogen (as N)	— nil —	—	—
10	Sulphate (as SO ₄)	— nil —	200	400
11	Chloride (as Cl)	16	250	1,000
12	Fluoride (as F)	0.1	1	1.5
13	Iron (as Fe)	— nil —	0.3	No relaxation

REMARKS:

The given water sample is chemically satisfactory for drinking purpose, as the above analyzed parameters are within the permissible limits.

[Signature]
 JUNIOR ANALYST
 WATER QUALITY MONITORING LABORATORY
 ONGOLE

[Signature]
 Civil Assistant Surgeon
 District Public Health Laboratory
 & Water Quality Monitoring Laboratory
 ONGOLE.

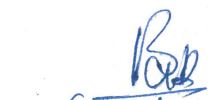
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 District Public Health Laboratory & Water Quality Monitoring Laboratory, ONGOLE

Report of Physical and Chemical Analysis of Water

Sample from : SAIBABA CENTRAL SCHOOL, PELLURU (V) ONGOLE (M) PRAKASAM (DIST)		Lab.Ref.No: 299	Collected on : 13-02-2023	
			Received On: 13-02-2023	
		Paid/Free : paid		
Collected by : Selt (Ch. Anand)		Limits as per IS 10500:2012		
Source/ Sample: BORE WELL WATER		Desirable (Acceptable limit)	Permissible limit in the absence of alternative source	
Sl. No	Physical Parameters			
1	Colour (Hazen units)	colourless	5	15
2	Turbidity (NTU)	0.1	1	5
3	Odour	Agreeable	Agreeable	Agreeable
4	pH Value	7.5	6.5 - 8.5	No relaxation
5	E.C.at 25° C Micro Mhos/cm	1773	-	-
6	Total dissolved solids Mg/Lt.	1170	500	2,000
Chemical Parameters(mg/L)				
1	Phenolphthalein Alkalinity (as CaCO ₃)	— nil —	-	-
2	Total alkalinity Max	392	200	600
3	Total Hardness Max	232	200	600
4	Calcium Hardness (as CaCO ₃)	80	-	-
5	Magnesium Hardness (as CaCO ₃)	152	-	-
6	Calcium (as Ca)	32	75	200
7	Magnesium (as Mg)	37	30	100
8	Nitrite (as N)	— nil —	-	0.02
9	Ammonical Nitrogen (as N)	— nil —	-	-
10	Sulphate (as SO ₄)	Traces	200	400
11	Chloride (as Cl)	492	250	1,000
12	Fluoride (as F)	1.5	1	1.5
13	Iron (as Fe)	— nil —	0.3	No relaxation

REMARKS:

The given water sample is chemically satisfactory for drinking purpose, as the above analyzed parameters are within the permissible limits.


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