

GOVERNMENT OF ANDHRA PRADESH
 Directorate of I.P.M., P.H.Labs, Food(H) Administration, Mangalagiri, Guntur Dist.
 District Public Health Laboratory & Water Quality Monitoring Laboratory, ONGOLE

Report of Physical and Chemical Analysis of Water

Sample from: **KENDRIYA VIDYALAYA
 HOUSING BOARD COLONY
 4th LINE, ONGOLE,
 PRAKASAM (DIST)**

Lab.Ref.No: **621**
 Collected on: **15-06-2024**
 Received On: **15-06-2024**
 Paid/Free : **paid**

Collected by: **Selb (M. Arsubabu)**

Source/
 Sample: **R.O. WATER**

Limits as per IS 10500:2012

Sl. No	Physical Parameters		Desirable (Acceptable limit)	Permissible limit in the absence of alternative source
1	Colour (Hazen units)	colourless	5	15
2	Turbidity (NTU)	0.1	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	109	-	-
6	Total dissolved solids Mg/Lt.	72	500	2,000
Chemical Parameters(mg/L)				
1	Phenolphthalein Alkalinity (as CaCO ₃)	— nil —	-	-
2	Total alkalinity Max	12	200	600
3	Total Hardness Max	32	200	600
4	Calcium Hardness (as CaCO ₃)	16	-	-
5	Magnesium Hardness(as CaCO ₃)	16	-	-
6	Calcium (as Ca)	06	75	200
7	Magnesium (as Mg)	04	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)	24	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.

AN JUNIOR ANALYST
 WATER QUALITY MONITORING LABORATORY
 ONGOLE

S-Surendra
 Civil Assistant Surgeon
 District Public Health Laboratory
 & Water Quality Monitoring Laboratory
 ONGOLE.