



GOVERNMENT OF TELANGANA
 REGIONAL PUBLIC HEALTH LABORATORY, WARANGAL
 HANAMKONDA (KUDA Premises) - 506 001
 Report Of Physical, Chemical Analysis Of Water &
 Chemical Analysis of Water for Construction Purpose*

Sample from : Montessori High School

Collected by : Sgt Bhupalapally

Collected on : 26/7/2021

Received on : 26/7/2021 Dist - Jayashankar Bhupalapally

Paid / Free : ✓

Receipt No. : 7841

Amount : 230.200

Lab Ref. No.	261712021	241	IS10500:2012
Address Of Sources	:	Tap (municipal) Teacher's School	Acceptable limit Permissible limits in the absence of alternate source
Substance or Characteristic	:		
Colour	:	15	5 15
Odour	:	Agreeable	Agreeable Agreeable
Turbidity NTU	:	-	1 5
*P at C	:	7.5	6.5-8.5 No relaxation
Electrical conductivity (at 25° C Micro Mhos/cm)	:	480	
*Total Dissolved Solids (mg/Lt.)	:	273	500 2000
The following results are in mg/liter			
Phenolphthalein Alkalinity	:	Nil	
Total Alkalinity (as CaCO ₃)	:	88	200 600
Total hardness (as CaCO ₃)	:	60	200 600
Calcium hardness (as CaCO ₃)	:	40	
Magnesium hardness (as CaCO ₃)	:	20	
Sulphate (as SO ₄ ²⁻)	:	-	200 400
Nitrite (as NO ₂)	:	Nil	
Nitrate (as NO ₃)	:	-	10 No relaxation
*Chloride (as Cl ⁻)	:	32	250 1000
Fluoride (as F ⁻)	:	0.22	1.0 1.5
Iron (as Fe)	:	-	0.3 No relaxation
*To neutralize 100 ml of water sample using phenolphthalein indicator with 0.02 N Na OH (in ml)	:		Not more than 5 ml as per IS 456 (2000) (Reaffirmed 2005)
*To neutralize 100 ml of water sample using Mixed indicator with 0.02 N H ₂ SO ₄ (in ml)	:		Not more than 25 ml as per IS 456 (2000) (Reaffirmed 2005)

Remarks : The Given water sample is physico-chemically Satisfactory for Drinking Purpose.

Subhangika
 Senior Analyst 28/7/2021

M. Vamshare
 Civil Surgeon Bacteriologist I/C