



DISTRICT PUBLIC HEALTH LABORATORY

6-1-3A OLD MATERNITY HOSPITAL ROAD TIRUPATHI
(Under the Control of the Directorate, I.P.M. P.H. Labs., AP)

REPORT OF CHEMICAL EXAMINATION OF WATER

Name & Address of Sender	The Principal Vidya Mandir EM High School Kadapa 516002					
Sender's Reference No.						
Date of Sample Collected	06th	MARCH	2023	Collected by	Staff DPH Lab Tirupati	
				Date of Receipt	06 th	MARCH 2023
Lab Reference Number	111/DPH/C/2022			Receipt Number	CFMS 61409285082022	
Source of the Sample	PURIFIED RO WATER * (sample tested as received basis)					

RESULTS A-PHYSICAL CHARACTERISTICS

S.No	Characteristics	Results	Lower and Upper permissible limit as per IS10500 2012
01	Appearance	Normal	Normal
02	Colour	01	5-10 HU
03	Turbidity (Units)	01	10NTU
04	Odour	No odour	Unobjectionable

B-CHEMICAL CHARACTERISTICS

05	p ^H	6.5	6.5 -8.5
06	Electrical Conductivity(Microhoms/cm at 25°C)	102	
The following values are expressed as mgs/L			
07	Dissolved Solids (105°C)	50	500
08	Alkalinity/Phenolphalein	0	
09	Methyl Orange (as Ca CO ₃)	22	
10	Total Hardness (as Ca CO ₃)	15	
11	Carbonate Hardness (as Ca CO ₃)	15	
12	Non-Carbonate Hardness (as Ca CO ₃)	0	
13	Chlorides (as Cl)	18	
14	Nitrates (as N)	0	45
15	Flourides (as F)	0.2	0.5-1.5
16	Ammoniacal Nitrogen	Nil	Absent
17	Albuminoidal Nitrogen	Nil	Absent
18	Nitrites (as NO ₂)	Nil	Absent
19	Oxygen consumed from KMnO ₄	ND	
20	Iron	0.1	1.0
21	Sulphates	0	


C - BACTERIOLOGICAL EXAMINATION

22	Presumptive coliform test (MPN)	N	NIL
23	Confirmative test for E coli sp	N	NEGATIVE
24	Other organism isolated if any		

Remarks:

CHEMICAL QUALITY: SATISFACTORY

BACTERIOLOGICAL QUALITY: SATISFACTORY


SENIOR WATER ANALYST
DIST. PUBLIC HEALTH LABORATORY
6-1-3A, HOSPITAL ROAD
TIRUPATI-517 507