

Government of Andhra Pradesh
Rural Water Supply & Sanitation Department
District Level WQM Laboratory Collectrate Compound ,Eluru
Report on Chemical Analysis of Water (Drinking)
General (Physico- chemical Parameters)

Name and address : Principal/Sasi English Medium High School / Tadepalligudem
 Test Report ID No : 1607202402
 Name of the Mandal : Tadepalligudem
 Name of the Gramapanchayat : Tadepalligudem
 Name of the Habitation : Tadepalligudem
 Type of Source : RO Water
 Location of Sample : RO at Sasi English Medium High School / Tadepalligudem
 Received from : Principal/Sasi English Medium High School / Tadepalligudem
 Date of Collection : 16.07.2024 Date of Analysis : 16.07.2024
 Date of Receipt : 16.07.2024 Date of issue : 18.07.2024

Sl. No.	Physico-Chemical Parameters	Units	Sample Results	As per IS (10500 - 2012)	
				Requirement (Acceptable Limit)	Permissible Limit in the absence of alternative source
1	Colour	Co-pt	Nil	5	15
2	Turbidity	NTU	0.00	1	5
3	pH		7.06	6.5 - 8.5	No Relaxation
4	Electrical Conductivity	micromhos/cm	81.80	-	-
5	Total Dissolved Solids	mg/lit	52.35	500	2000
6	Total Alkalinity as CaCO ₃	mg/lit	40.00	200	600
7	Total Hardness as CaCO ₃	mg/lit	24.00	200	600
8	Calcium as Ca ⁺⁺	mg/lit	4.80	75	200
9	Magnesium as Mg ⁺⁺	mg/lit	2.92	30	100
10	Chloride as cl	mg/lit	11.34	250	1000
11	Flouride as F	mg/lit	0.15	1.0	1.5
12	Nitrate as NO ₃	mg/lit	1.00	45	No Relaxation
13	Sulphate as SO ₄ ⁻	mg/lit	1.40	200	400
14	Total Iron as Fe	mg/lit	0.02	1	No Relaxation

Methods followed for pH-4500-H+B, EC-2510 B, Total Hardness- 2340 C, Alkalinity - 2320 B, Chloride - 4500 - Cl B, Sulphate - 4500 - SO₄ B, Nitrate - 4500 - NO₃ B, Flouride - 4500 - F C, Iron - 3500 - Fe B from APHA, 23rd Edition.

REMARKS : The Concentration levels of above Parameters in the given water sample is WITHIN the Acceptable limits of IS 10500-2012.

// The End of the report //

M. N. S. Reddy
 District Level WQM Laboratory
 RWS & S Sanitation Department, Eluru.

N.S. - 6
PRINCIPAL
SASI E.M. HIGH SCHOOL
 Kadakatta, TADEPALLIGUDEM
 West Godavari Dt. Pin : 534 101



Government of Andhra Pradesh
Rural Water Supply & Sanitation Department
District Level WQM Laboratory Collectrate Compound, Eluru
Report on Bacteriological Analysis of Water (Drinking)

Name and address : Principal/Sasi English Medium High School / Tadepalligudem
Test Report ID No : 1607202401
Name of the Mandal : Tadepalligudem
Name of the Gramapanchayat : Tadepalligudem
Name of the Habitation : Tadepalligudem
Type of Source : Bore
Location of Sample : Bore at Sasi English Medium High School / Tadepalligudem
Received from : Principal/Sasi English Medium High School / Tadepalligudem
Date of Collection : 16.07.2024
Date of Receipt : 16.07.2024
Date of Analysis : 16.07.2024
Date of issue : 18.07.2024

Sl No	Residual Free Chlorine	H2S Vials Test	Total Coliform Bacteria (CFU /100ml)	Thermo Tolerant Coliform bacteria/E.Coli (CFU/100 ml)	Remarks
1	2	3	4	5	6
1	Nil	-	0/100	0/100	Safe

REMARKS : The source of received water sample is Coliform bacteria and E.Coli is not detected in 100ml of sample .which is intended for drinking purpose.

N. I. - 60
PRINCIPAL
SASI E.M. HIGH SCHOOL
Kadakatla, TADEPALLIGUDEM
West Godavari Dt. Pin : 534 101

G. V. Apna Rao
Microbiologist
18/7/24
District Level WQM Laboratory
RWS & S Department, Eluru.



Government of Andhra Pradesh
Rural Water Supply & Sanitation Department
District Level WQM Laboratory Collectrate Compound, Eluru

Report on Chemical Analysis of Water (Drinking)
General (Physico-chemical Parameters)

Name and address : Principal/Sasi English Medium High School / Tadepalligudem
 Test Report ID No : 1607202401
 Name of the Mandal : Tadepalligudem
 Name of the Gramapanchayat : Tadepalligudem
 Name of the Habitation : Tadepalligudem
 Type of Source : Bore
 Location of Sample : Bore at Sasi English Medium High School / Tadepalligudem
 Received from : Principal/Sasi English Medium High School / Tadepalligudem
 Date of Collection : 16.07.2024 Date of Analysis : 16.07.2024
 Date of Receipt : 16.07.2024 Date of Issue : 18.07.2024

Sl. No.	Physico-Chemical Parameters	Units	Sample Results	As per IS (10500 - 2012)	
				Requirement (Acceptable Limit)	Permissible Limit in the absence of alternative source
1	Colour	Co-pt	Nil	5	15
2	Turbidity	NTU	0.80	1	5
3	pH		7.45	6.5 - 8.5	No Relaxation
4	Electrical Conductivity	micromhos/cm	393.00	-	-
5	Total Dissolved Solids	mg/lit	251.52	500	2000
6	Total Alkalinity as CaCO3	mg/lit	300.00	200	600
7	Total Hardness as CaCO3	mg/lit	312.00	200	600
8	Calcium as Ca++	mg/lit	72.00	75	200
9	Magnesium as Mg++	mg/lit	32.08	30	100
10	Chloride as cl	mg/lit	42.54	250	1000
11	Flouride as F	mg/lit	0.38	1.0	1.5
12	Nitrate as NO3	mg/lit	7.50	45	No Relaxation
13	Sulphate as SO4-	mg/lit	80.72	200	400
14	Total Iron as Fe	mg/lit	0.22	1	No Relaxation

Methods followed for pH-4500-H+B, EC-2510 B, Total Hardness- 2340 C, Alkalinity - 2320 B, Chloride - 4500 - Cl B, Sulphate - 4500 - SO4 B, Nitrate - 4500 - NO3 B, Fluoride - 4500 - F C, Iron - 3500 - Fe B from APHA, 23rd Edition.

RE MARKS: The Concentration levels of above Parameters in the given water sample is WITHIN the Permissible limits of IS 10500-2012.

// The End of the report //

M. Nagaraj
 Lab. Chemist
 District Level WQM Laboratory
 RWS & S Department, Eluru.

M. S. L.
PRINCIPAL
SASI E.M. HIGH SCHOOL
 Kadakatta, TADEPALLIGUDEM
 West Godavari Dt. Pin : 534 101