

Government of Andhra Pradesh
Rural Water Supply & Sanitation Department
State Level Water Testing Laboratory
O/o The Project Director
State Water Supply & Sanitation Mission
"C" Block, Vasudha shelter, LIC colony, Gollapudi, Vijayawada - 521225

TEST REPORT ON CHEMICAL ANALYSIS OF WATER(DRINKING)
General Physico- Chemical Parameters

Sample Received From : Atkinson High School, Gollapudi.

Location : Near Iron Yard, Vijayawada.

Test Report ID No : 024/SLL/Prvt/SWSM/RWS/2025 - 26

Description of the test items: Water Sample

Date of Collection : 20.06.2025

Date of Analysis : 23.06.2025

Date of Receipt : 20.06.2025

Date of issue: 24.06.2025

Sl.No.	Physico-Chemical Parameters	Units	Borewell water test results	As per IS (10500 - 2012)	
				Acceptable Limit	Permissible Limit
1	Colour	Hazen	1.5	5	15
2	Turbidity	NTU	3	1	5
3	pH		7.49	6.5-8.5	No relaxation
4	Electrical Conductivity	micromhos/cm	1959	-	-
5	Total Dissolved Solids	mg/L	1264	500	2000
6	Salinity	gm/L	0.61	0.48	1.836
7	Total Alkalinity as CaCO ₃	mg/L	632	200	600
8	Total Hardness as CaCO ₃	mg/L	436	200	600
9	Calcium as Ca ⁺⁺	mg/L	40	75	200
10	Magnesium as Mg ⁺⁺	mg/L	82.0	30	100
11	Fluoride as F ⁻	mg/L	0.58	1.0	1.5
12	Chloride as Cl ⁻	mg/L	306	250	1000
13	Nitrate as NO ₃ ⁻	mg/L	19	45	No relaxation
14	Sulphate as SO ₄ ⁻²	mg/L	78.5	200	400
15	Total Iron as Fe	mg/L	0.16	1.0	No relaxation
16	Sodium Na ⁺	mg/L	322.6	-	-
17	Potassium K ⁺	mg/L	4.5	-	-
18	Silica	mg/L	31.3	-	-

Note :

1. The above said results are related only to the sample tested.
2. Sample is collected by the customer not by the laboratory.

S. Venkatesh
Lab Chemist

S. Vijayalakshmi
PRINCIPAL
ATKINSON HIGH SCHOOL
GOLLAPUDI - 521225.

[Signature]
State Level Water Testing Laboratory
Rural Water Supply & Sanitation Dept
VIJAYAWADA



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TEST REPORT ON CHEMICAL ANALYSIS OF WATER(DRINKING)
General Physico- Chemical Parameters

Sample Received From : Atkinson High School, Gollapudi.

Location : Near Iron Yard, Vijayawada.

Test Report ID No : 025/SLL/Prvt/SWSM/RWS/2025 - 26

Description of the test items: Water Sample

Date of Collection : 20.06.2025

Date of Analysis : 23.06.2025

Date of Receipt : 20.06.2025

Date of issue: 24.06.2025

Sl.No.	Physico-Chemical Parameters	Units	Panchayathi water sample results	As per IS (10500 - 2012)	
				Acceptable Limit	Permissible Limit
1	Colour	Hazen	0.5	5	15
2	Turbidity	NTU	1.2	1	5
3	pH		7.42	6.5-8.5	No relaxation
4	Electrical Conductivity	micromhos/cm	813	-	-
5	Total Dissolved Solids	mg/L	524	500	2000
6	Salinity	gm/L	0.23	0.48	1.836
7	Total Alkalinity as CaCO ₃	mg/L	204	200	600
8	Total Hardness as CaCO ₃	mg/L	212	200	600
9	Calcium as Ca ⁺⁺	mg/L	34	75	200
10	Magnesium as Mg ⁺⁺	mg/L	31.0	30	100
11	Fluoride as F ⁻	mg/L	0.75	1.0	1.5
12	Chloride as Cl ⁻	mg/L	139	250	1000
13	Nitrate as NO ₃ ⁻	mg/L	13	45	No relaxation
14	Sulphate as SO ₄ ⁻²	mg/L	48.3	200	400
15	Total Iron as Fe	mg/L	0.11	1.0	No relaxation
16	Sodium Na ⁺	mg/L	108.6	-	-
17	Potassium K ⁺	mg/L	3.4	-	-
18	Silica	mg/L	18.5	-	-

Note :

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S. V. Subramanyam
Lab Chemist

S. Vijayalakshmi
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Asst. Chemist

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Sl.No.	Physico-Chemical Parameters	Units	R.O Water sample Test results	As per IS (10500 - 2012)	
				Acceptable Limit	Permissible Limit
1	Colour	Hazen	0	5	15
2	Turbidity	NTU	0	1	5
3	pH		7.36	6.5-8.5	No relaxation
4	Electrical Conductivity	micromhos/cm	181	-	-
5	Total Dissolved Solids	mg/L	117	500	2000
6	Salinity	gm/L	0.08	0.48	1.836
7	Total Alkalinity as CaCO ₃	mg/L	20	200	600
8	Total Hardness as CaCO ₃	mg/L	24	200	600
9	Calcium as Ca ⁺⁺	mg/L	3	75	200
10	Magnesium as Mg ⁺⁺	mg/L	4.0	30	100
11	Fluoride as F ⁻	mg/L	0.07	1.0	1.5
12	Chloride as Cl ⁻	mg/L	34	250	1000
13	Nitrate as NO ₃ ⁻	mg/L	0	45	No relaxation
14	Sulphate as SO ₄ ⁻²	mg/L	24.1	200	400
15	Total Iron as Fe	mg/L	0.12	1.0	No relaxation
16	Sodium Na ⁺	mg/L	29.8	-	-
17	Potassium K ⁺	mg/L	2.7	-	-
18	Silica	mg/L	5.6	-	-

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S. V. Sankar
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