



Government of Andhra Pradesh
IWQM Water Testing Laboratory
O/o The Dy. Executive Engineer
Rural Water Supply & Sanitation Department
PALAKOLE, NARSASAPURAM SUB-DIVISION

TEST REPORT ON CHEMICAL ANALYSIS OF WATER(DRINKING)
General physical Chemical Parameter

Name of the School : BHARATIYA VIDYA BHAVAN'S GREEN FIELDS SCHOOL

Name of the Mandal : PALAKOLE

Name of the Location : VADALAVANIPALEM

Description of the test items : CHEMICAL ANALYSIS

Date of Collection : 30/07/2026

Date of Analysis : 30/07/2026

Sl.No.	Physcio-Chemical Parameters	Units	RO WATER	As per IS (10500 - 2012)	
				Required (Acceptable Limit)	Permissible Limit (in the absence of alternative source)
1	Colour	Co-Pt	Colourless	-	-
2	Turbidity	NTU	0	1	5
3	pH		7.22	6.5-8.5	No relaxation
4	Electrical Conductivity	micromhos/cm	54	-	-
5	Total Dissolved Solids	mg/lit	35	500	2000
6	Total Alkalinity as CaCO ₃	mg/lit	40	200	600
7	Total Hardness as CaCO ₃	mg/lit	40	200	600
8	Calcium as Ca ⁺⁺	mg/lit	22	75	200
9	Magnesium as Mg ⁺⁺	mg/lit	3.6	30	100
10	Flouride as F ⁻	mg/lit	0.06	1.0	1.5
11	Chloride as Cl ⁻	mg/lit	28	250	1000
12	Nitrate as NO ₃ ⁻	mg/lit	2.2	45	No relaxation
13	Sulphate as SO ₄ ⁻	mg/lit	4.1	200	400
14	Total Iron as Fe	mg/lit	0.09	0.3	1

REMARKS : The tested parameters in the above water sample are within the acceptable limits.

Analyzed by

Lab. Chemist / Lab. Microbiologist.

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