



# TAMILNADU WATER SUPPLY AND DRAINAGE BOARD

## DISTRICT WATER TESTING LABORATORY

Manjalneerkayal, Palayakayal - 628 152.  
Thoothukudi Dist.

### TEST REPORT

From

R. Vinoth Kumar, B.Sc.,  
Junior Water Analyst (a/c), TWAD Board,  
District Water Testing Laboratory,  
Manjalneerkayal, Thoothukudi.

To

St. Thomas School,  
Affiliation No. 1931203,  
Senior Secondary CBSE School,  
Alagesapuram Main Road,  
Thoothukudi District.

Lr No 48840 - 48841/F.Report/JWA/DWTL/MNKayal/2024-25/ Dt.28.02.2025

Sir,

**Sub :** Examination of Water Sample report -furnished - reg.

**Ref :** 1. Your Lr.No. Dt.26.02.2025

2. T.O Invoice No. 648/ Dated 26.02.2025 for Rs.1652/-

The result of analysis for the water sample sent under reference is furnished below.

**Scheme :** Private

**Source :** Ro Water

**Location :** Inside Campus (Roche Block III Flour)

**Date of Collection :** 26.02.2025

**Date of Receipt :** 26.02.2025

BIS 10500 : 2012	Acceptable limit	Permissible limit in the absence of alternate source	Result
<b>I. PHYSICAL EXAMINATION.</b>			48840
1. Appearance	-	-	Clear
2. Colour (pt.co-scale)	5	15	Colourless
3. Odour	Agreeable	Agreeable	None
4. Turbidity NT Units	1	5	0.0
5. Total dissolved Solids mg/L	500	2000	11
6. Electrical Conductivity Micro mho/cm	-	-	17
<b>II. CHEMICAL EXAMINATION:</b>			-
7. pH	6.5-8.5	6.5-8.5	7.28
8. Ph. Alkalinity as CaCO <sub>3</sub> mg/L	-	-	-
9. Total Alkalinity. as CaCO <sub>3</sub> mg/L	200	600	4
10. Total Hardness as CaCO <sub>3</sub> mg/L	200	600	1
11. Calcium as Ca mg/L	75	200	0
12. Magnesium as Mg mg/L	30	100	0
13. Sodium as Na mg/L	-	-	3
14. Potassium as K mg/L	-	-	1
15. Iron as Fe mg/L	0.3	1.0	0
16. Manganese mg/L	0.1	0.3	0
17. Free Ammonia as NH <sub>3</sub> mg/L	0.5	0.5	0
18. Nitrite as NO <sub>2</sub> mg/L	-	-	0
19. Nitrate as NO <sub>3</sub> mg/L	45	45	0
20. Chloride as Cl mg/L	250	1000	3
21. Fluoride as F mg/L	1.0	1.5	0.0
22. Sulphate as SO <sub>4</sub> mg/L	200	400	0
23. Phosphate as PO <sub>4</sub> mg/L	-	-	0
24. Tidys Test 4 hrs.as O <sub>2</sub> mg/L	-	-	0.00
25. Residual Chlorine mg/L	0.2	1	0.00
<b>III BACTERIOLOGICAL EXAMINATION:</b>			<b>B48841</b>
1. Faecal coliforms per 100 ml	Nil/100 ml	Nil/100 ml	Nil

**Report :** 48840: The given water is chemically potable.

**B48841:** The given Water Sample is Bacteriologically Safe.

Junior Water Analyst (a/c),  
District Water Testing Laboratory,  
Manjalneerkayal, Thoothukudi.