



## 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

Principal,  
Servite School,  
3/222, Palai Main Road,  
Maravanmadam,  
Thoothukudi District.

Lr No 48511 - 48512/F.Report/TWA/DWTL/MNKayal/2024-25/ Dt.25.11.2024

Sir,

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

Ref : 1. Your Lr.No.Dt.23.11.2024

2. T.O Invoice No. 545/Dated 23.11.2024 for Rs.1652/-

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

Scheme : Private

Source : Ro Water

Location : School Campus

Date of Collection : 23.11.2024

Date of Receipt : 23.11.2024

BIS 10500 : 2012	I.	Acceptable limit	Permissible limit in the absence of alternate source	Result
<b>PHYSICAL EXAMINATION.</b>				48511
1. Appearance	-	-	-	Clear
2. Colour (pt.co-scale)	5	15	15	Colourless
3. Odour	Agreeable	Agreeable	Agreeable	None
4. Turbidity NT Units	1	5	5	0.0
5. Total dissolved Solids mg/L	500	2000	2000	114
6. Electrical Conductivity Micro mho/cm	-	-	-	167
<b>II. CHEMICAL EXAMINATION:</b>				-
7. pH	6.5-8.5	6.5-8.5	6.5-8.5	6.75
8. Ph. Alkalinity as $\text{CaCO}_3$ mg/L	-	-	-	-
9. Total Alkalinity. as $\text{CaCO}_3$ mg/L	200	600	600	24
10. Total Hardness as $\text{CaCO}_3$ mg/L	200	600	600	32
11. Calcium as Ca mg/L	75	200	200	6
12. Magnesium as Mg mg/L	30	100	100	4
13. Sodium as Na mg/L	-	-	-	20
14. Potassium as K mg/L	-	-	-	2
15. Iron as Fe mg/L	0.3	1.0	1.0	0
16. Manganese mg/L	0.1	0.3	0.3	0
17. Free Ammonia as $\text{NH}_3$ mg/L	0.5	0.5	0.5	0
18. Nitrite as $\text{NO}_2$ mg/L	-	-	-	0
19. Nitrate as $\text{NO}_3$ mg/L	45	45	45	3
20. Chloride as Cl mg/L	250	1000	1000	36
21. Fluoride as F mg/L	1.0	1.5	1.5	0.0
22. Sulphate as $\text{SO}_4$ mg/L	200	400	400	0
23. Phosphate as $\text{PO}_4$ mg/L	-	-	-	0
24. Tidy's Test 4 hrs. as $\text{O}_2$ mg/L	-	-	-	0
25. Residual Chlorine mg/L	0.2	1	1	0.00
<b>III BACTERIOLOGICAL EXAMINATION :</b>				B48512
1. Faecal coliforms per 100 ml	Nil/100 ml	Nil/100 ml	Nil/100 ml	Nil

Report : 48511: The given Water Sample is Chemically Potable.

B48512: The given Water Sample is Bacteriologically safe.

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

Principal  
Servite School

3/222, Palai Main Road,  
Indra Nagar, Maravanmadam  
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