

**TEST WATER BEFORE TASTE**

Ph: 04562-246159

# TAMILNADU WATER SUPPLY AND DRAINAGE BOARD

## DISTRICT WATER TESTING LABORATORY

### VIRUDHUNAGAR

## TEST REPORT

**From**

R.Vinoth Kumar B.Sc.,  
Junior Water Analyst,  
TWAD Board,  
District Water Testing Laboratory,  
Virudhunagar.

**To**

Akshaya International School,  
Alangulam Main Road,  
Keelarajakularaman-626136

Sir,

**Lr No : 3538 to B.3539/JWA/DWTL/VNR/2025/ Dt : 08.02.2025****Sub :** Examination of Water sample- report -furnished - reg.**Ref :** 1) T.O Invoice No.214/Dt :29.01.2025 for Rs.1652/-

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

**Source :** Ro Water**Date of Collection :** 29.01.2025**Location :** Above Address**Date of Receipt :** 29.01.2025

		BIS Limit: (10500: 2012)		Lab No	
I. PHYSICAL EXAMINATION:		Acceptable limit	Permissible limit in the absence of alternative source	3538 (1)	
1. Appearance		-	-	Clear & Colourless	
2. Colour (pt.co-scale)		5	15		
3. Odour		Unobjectionable		None	
4. Turbidity NT Units		1	5	0	
5. Total diss. Solids mg/l		500	2000	121	
6. Electrical Conductivity Micro mho/cm		-	-	173	
II. CHEMICAL EXAMINATION:					
7. pH		6.5-8.5	6.5-8.5	6.55	
8. Ph. Alkalinity as CaCO <sub>3</sub>		-	-	0	
9. Total Alk. as CaCO <sub>3</sub>		200	600	16	
10. Total Hardness as CaCO <sub>3</sub>		200	600	48	
11. Calcium as Ca		75	200	12	
12. Magnesium as Mg		30	100	5	
13. Sodium as Na		-	-	22	
14. Potassium as K		-	-	7	
15. Iron as Fe		0.3	1.0	0	
16. Manganese		0.1	0.3	0	
17. Free Ammonia as NH <sub>3</sub>		0.5	0.5	0	
18. Nitrite as NO <sub>2</sub>		0.5	0.5	0	
19. Nitrate as NO <sub>3</sub>		45	45	1	
20. Chloride as Cl		250	1000	54	
21. Fluoride as F		1.0	1.5	0.31	
22. Sulphate as SO <sub>4</sub>		200	400	0	
23. Phosphate as PO <sub>4</sub>		0.5	0.5	0	
24. Tidy's Test 4 hrs as O <sub>2</sub>		-	-	0	
25. Residual Chlorine as RC		0.2	0.5	0	
III. BACTERIOLOGICAL EXAMINATION:				B.3539	
26. Faecal coliform per 100 ml		0	0/100 ml	0	

**Result:** The given water Sample is chemically potable and Bacteriologically Safe.

Proper chlorination should be done regularly before the water supply is effected.

(4gm of Bleaching powder is added to the 1000 Litres of water).

Junior Water Analyst,  
 District Water Testing Laboratory,  
 Virudhunagar.

Note : All the Chemical Parameters are Expressed in mg/L.