



# TAMILNADU WATER SUPPLY AND DRAINAGE BOARD

## DISTRICT WATER TESTING LABORATORY

Ganesh Nagar, Near Law College Students Hostel,  
Melur Road, Madurai-625 007.

Phone: 0452 - 3568627

E-mail: [wtlmdu@gmail.com](mailto:wtlmdu@gmail.com)

### TEST REPORT

Doc.No: DWTL/FORM/7.8/01

Test Report No:	2025/MDU/1583	Report Date :	07.01.2025			
Invoice Details:	327/Dt.02.01.2025/Amt.Rs.1652/-					
Client Name & Address	: Ponnammal Modern Public School, Saptur Road, Near Vijayanagaiyapuram, Chinnappoolampatti, Peraiyur (TK), Madurai (Dt) - 625 703.					
Contact No / Email.ID						
Sample Name	: Water					
Sample Description	: RO Water					
Sample Submitted by	: Customer					
Location & Date	: Chinnappoolampatti, Peraiyur & 02.01.2025					
Quantity of sample Received	: 5 Litres					
Sample Container	: Jerry Cane – Good condition					
Sample Condition on Receipt	: Good					
Sample Received On	: 02.01.2025					
Test Commenced on	: 02.01.2025					
Test Completed on	: 04.01.2025					
S.No	Parameters	Test Method	Unit	Sample Result	Specification as per IS 10500 : 2012	
					Acceptable Limit	Permissible Limit
1	pH at 25°C	IS 3025 Part 11-2022	-	7.01	6.5-8.5	6.5-8.5
2	Total Hardness as CaCO <sub>3</sub>	IS 3025 Part 21-2009 (RA:2019)	mg/L	34	200	600
3	Total Alkalinity as CaCO <sub>3</sub>	IS 3025-Part 23-2023	mg/L	44	200	600
4	Chloride as Cl	IS 3025-Part 32-1988 (RA:2019)	mg/L	11	250	1000
5	Sulphate as SO <sub>4</sub>	IS 3025-Part 24sec (1)-2022	mg/L	6	200	400
6	Nitrate as NO <sub>3</sub>	APHA 24th Edition 2023– 4500 –NO <sub>3</sub> B	mg/L	Less than 2	45	45
7	Fluoride as F	APHA 24th Edition 2023 – 4500- F-D	mg/L	1.12	1.0	1.5

Remarks: The above water sample is confirmed to IS: 10500:2012 Drinking Water Specification with respect to above tested parameters.

.....End of the report.....

*V. Sridhar*  
Reviewed and Authorised by  
V.Sridhar, B.E., M.Tech.  
Assistant Water Analyst (I/c)

#### Note:

1. The test results relate only to the items tested.
2. The test report shall not be reproduced anywhere except in full and in the same format without the permission of the laboratory.
3. The test sample will be retained for 15 days.
4. The Result applied to the sample as Received basis





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S.No	Parameters	Test Method	Unit	Sample Result	Specification as per IS 10500 : 2012	
					Acceptable Limit	Permissible Limit
1	Appearance	Physical observation	--	Clear	-	-
2	Colour	APHA 23rd Edition 2017 4500 H+B	Hazen	Colourless	Agreeable	Agreeable
3	Odour	IS 3025 Part 5 : 1983	--	None	-	-
4	Turbidity	APHA 23rd Edition 2017 - 2130 B	NTU	0	1	5
5	Total Dissolved Solids	APHA 23rd Edition 2017 - 2540 C	mg/L	67	500	2000
6	Conductivity	APHA 23rd Edition 2017 - 2510 B	$\mu$ S/cm	135	-	-
7	P - Alkalinity	IS 3025-Part 23-1983	mg/L	-	-	-
8	Calcium	APHA 23rd Edition 2017 - 3500 Ca B	mg/L	8	75	200
9	Magnesium	APHA 23rd Edition 2017- 3500 Mg B	mg/L	3	30	100
10	Iron	APHA 23rd Edition 2017- 3500 Fe B	mg/L	Less than 0.1	0.3	1
11	Manganese	APHA 23rd Edition 2017 - 3500 Mn B	mg/L	Less than 0.1	0.1	0.3
12	Ammonia	APHA 17th Edition-1989- 4500 NH3C	mg/L	Less than 0.1	0.5	0.5
13	Nitrite as NO <sub>2</sub>	APHA 23rd Edition 2017- 4500-NO2 B	mg/L	Less than 0.1	0.5	0.5
14	Total Phosphate as PO <sub>4</sub>	APHA 23rd Edition 2017 - 4500 P- D	mg/L	Less than 0.1	0.5	0.5
15	Oxygen Absorbance in 4hr	IS 3025 part 63	mg/L	0.6	-	-
16	Residual chlorine	IS / APHA	mg/L	Less than 0.1	0.2	0.5

.....Report Continues.....

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Sample Description : RO Water  
Sample Submitted by : Customer  
Location & Date : Chinnappoolampatti, Peraiyur & 02.01.2025  
Quantity of sample Received : 5 Litres  
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Sample Condition on Receipt : Good  
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Test Commenced on : 02.01.2025  
Test Completed on : 04.01.2025

The test result of sample received as follows

Sl. No	BACTERIOLOGICAL EXAMINATION:	Sample No. 2024/MDU/1583 Sample Result	BIS 10500-2012
			Max Limit
1	Fecal coliform CFU/100ml	0	Nil/100 ml

.....End of the report.....

**Sample Result:** The given RO water sample is physically, chemically potable and also bacteriologically not contaminated.

*V. Sridhar*  
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