



# 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/1797	Report Date :	12.06.2025
Invoice Details:	136/Dt.09.06.2025/Amt.Rs.1652/-		

Client Name & Address	: SR Girls CBSE School of Excellence,
Contact No / Email.ID	Site No:212, Anna Nagar, Madurai-625 020.
Sample Name	: Water
Sample Description	: RO water
Sample Submitted by	: Customer
Location & Date	: Above Address & 09.06.2025
Quantity of sample Received	: 2 Litres
Sample Container	: Jerry Cane – Good condition
Sample Condition on Receipt	: Good
Sample Received On	: 09.06.2025
Test Commenced on	: 09.06.2025
Test Completed on	: 12.06.2025

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	-	7.30	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	60	200	600
3	Total Alkalinity as CaCO <sub>3</sub>	IS 3025- Part 23-2023	mg/L	26	200	600
4	Chloride as Cl	IS 3025-Part 32-1988 (RA:2019)	mg/L	50	250	1000
5	Sulphate as SO <sub>4</sub>	IS 3025-Part 24sec (1)-2022	mg/L	5.1	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	Less than 0.2	1.0	1.5

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

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

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

#### Note:

1. The test results relate only to the given sample of water.
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	88	500	2000
6	Conductivity	APHA 23rd Edition 2017 - 2510 B	µS/cm	175	-	-
7	P - Alkalinity	IS 3025-Part 23-1983	mg/L	-	-	-
8	Calcium	APHA 23rd Edition 2017 - 3500 Ca B	mg/L	15	75	200
9	Magnesium	APHA 23rd Edition 2017- 3500 Mg B	mg/L	6.2	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	0.7	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 liter	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.....

*V. Sridhar*  
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Assistant Water Analyst (I/c)

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The test result of sample received as follows

Sl. No	BACTERIOLOGICAL EXAMINATION:	Sample No. 2025/MDU/1797 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.

  
Reviewed and Authorised by  
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Assistant Water Analyst (I/c)

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