



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

TEST REPORT

Doc.No: DWTL/FORM/7.8/01

Test Report No:	2024/MDU/1407	Report Date :	27.06.2024
Invoice Details:	207/Dt.24.06.2024/Amt.Rs.4720/-		

Client Name & Address Contact No / Email.ID	: Sri Ram Nallamani Heritage School, Kancharampettai Village, Periyapatti Panchayat, Madurai- 625 014.
Sample Name	: Water
Sample Description	: RO Water
Sample Submitted by	: Customer
Location & Date	: Above Address & 24.06.2024
Quantity of sample Received	: 5 Litres
Sample Container	: Jerry Cane – Good condition
Sample Condition on Receipt	: Good
Sample Received On	: 24/06/2024
Test Commenced on	: 24/06/2024
Test Completed on	: 28/06/2024

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	-	6.66	6.5-8.5	6.5-8.5
2	Total Hardness as CaCO ₃	IS 3025 Part 21-2009 (RA:2019)	mg/L	10	200	600
3	Total Alkalinity as CaCO ₃	IS 3025-Part 23-2023	mg/L	12	200	600
4	Chloride as Cl	IS 3025-Part 32-1988 (RA:2019)	mg/L	8	250	1000
5	Sulphate as SO ₄	IS 3025-Part 24sec (1)-2022	mg/L	Less than 5	200	400
6	Nitrate as NO ₃	APHA 24th Edition 2023 – 4500 –NO3 B	mg/L	Less than 2	45	45
7	Fluoride as F	APHA 24th Edition 2023 – 4500- F-D	mg/L	0.23	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.....

B. Karuthapandian
27/6/24.

Reviewed and Authorised by
B. Karuthapandian, B.E., M.Tech.
Assistant Water Analyst (i/c)

Note:

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

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					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	16	500	2000
6	Conductivity	APHA 23rd Edition 2017 - 2510 B	μ S/cm	32	-	-
7	P - Alkalinity	IS 3025-Part 23-1983	mg/L	-	-	-
8	Calcium	APHA 23rd Edition 2017 - 3500 Ca B	mg/L	2	75	200
9	Magnesium	APHA 23rd Edition 2017- 3500 Mg B	mg/L	1	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 ₂	APHA 23rd Edition 2017- 4500-NO2 B	mg/L	Less than 0.1	0.5	0.5
14	Total Phosphate as PO ₄	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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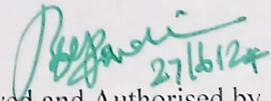
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The test result of sample received as follows

Sl. No	BACTERIOLOGICAL EXAMINATION:	Sample No. 2024/MDU/1407 Sample Result	BIS 10500-2012
			Max Limit
1	Standard plate count CFU/100ml	0	500 Organisms/ml
2	Total Coliform CFU/100ml	0	Nil/100 ml
3	Fecal coliform CFU/100ml	0	Nil/100 ml
4	Fecal Streptococcus CFU/100ml	0	Nil/100 ml

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

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


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