



TAMILNADU WATER SUPPLY AND DRAINAGE BOARD

DISTRICT WATER TESTING LABORATORY

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

Phone: 0452 - 2583633

E-mail: wtlmdu@gmail.com



TC-10308

TEST REPORT

Doc.No: DWTL/FORM/7.8/01

Test Report No:	2023/MDU/898	Report Date :	05.06.2023
Invoice Details:	508/Dt.01.06.2023/Amt.Rs.1652		
URL No	TC103082300000099F		

Client Name & Address Contact No / Email.ID	: MAHATMA GLOBAL GATEWAY SCHOOL, Gopalakrishnan Guruvasal, Veerapanjan, Madurai – 625 020.
Sample Name	: Water
Sample Description	: RO Water
Sample Submitted by	: Customer
Location & Date	: Above Addressed Location & 01.06.2023
Quantity of sample Received	: 2 Litre
Sample Container	: Plastic – Good condition
Sample Condition on Receipt	: Good
Sample Received On	: 01/06/2023
Test Commenced on	: 01/06/2023
Test Completed on	: 05/06/2023
Environmental Condition	: 25.8°C

S.No	Parameters	Test Method	Unit	Sample Result	Specification as per IS 10500 : 2012	
					Acceptable Limit	Permissible Limit
1	pH	IS 3025 Part 11-1983	-	6.65	6.5-8.5	6.5-8.5
2	Total Hardness as CaCO ₃	IS 3025 Part 21-2009	mg/L	10	200	600
3	Total Alkalinity	IS 3025-Part 23-1986	mg/L	20	200	600
4	Chloride as Cl	IS 3025-Part 32-1988	mg/L	10	250	1000
5	Sulphate as SO ₄	IS 3025-Part 24-1986	mg/L	Less than 5	200	400
6	Nitrate as NO ₃	APHA 23rd Edition 2017– 4500 –NO ₃ B	mg/L	Less than 2	45	45
7	Fluoride as F	APHA 23rd Edition 2017 – 4500- F-D	mg/L	Less than 0.2	1.0	1.5

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


Authorised Signatory

B. Karuthapandian, 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. Unless informed by customer, the test items will not be retained for more than 15 days from the date of the test report.
4. 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	41	500	2000
6	Conductivity	APHA 23rd Edition 2017 - 2510 B	µS/cm	82	-	-
7	P - Alkalinity	IS 3025-Part 23-1983	mg/L	0	-	-
8	Calcium	APHA 23rd Edition 2017 - 3500 Ca B	mg/L	2.5	75	200
9	Magnesium	APHA 23rd Edition 2017- 3500 Mg B	mg/L	1	30	100
10	Sodium	APHA 23rd Edition 2017 - 3500 Na B	mg/L	-	-	-
11	Potassium	APHA 23rd Edition 2017 - 3500 K B	mg/L	-	-	-
12	Iron	APHA 23rd Edition 2017- 3500 Fe B	mg/L	0	0.3	1
13	Manganese	APHA 23rd Edition 2017 - 3500 Mn B	mg/L	0	0.1	0.3
14	Ammonia	APHA 17th Edition-1989- 4500 NH3C	mg/L	0	0.5	0.5
15	Nitrite as NO ₂	APHA 23rd Edition 2017- 4500-NO2 B	mg/L	0	-	-
16	Total Phosphate as PO ₄	APHA 23rd Edition 2017 - 4500 P- D	mg/L	0	-	-
17	Tidys	APHA 23rd Edition 2017 - 4500 O - B	mg/L	0.6	-	-
18	Residual chlorine	IS / APHA	mg/L	0	0.2	0.5

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

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4. The Result applied to the sample as Received basis

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The test result of sample received as follows

Sl. No	BACTERIOLOGICAL EXAMINATION:	Sample No. 2023/MDU/898 Sample Result	BIS 10500-2012
			Max Limit
1	Fecal coliform CFU/100ml	0	Nil/100 ml

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

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


5/6/23
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