



# 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)

*Bosewell*

### TEST REPORT

Doc.No: DWTL/FORM/7.8/01

Test Report No:	2024/MDU/1406	Report Date :	28.06.2024
Invoice Details:	207/Dt.24.06.2024/Amt.Rs.4720/-		

Client Name & Address : Sri Ram Nallamani Heritage School,  
Contact No / Email.ID : Kancharampettai Village,  
Periyapatti Panchayat,  
Madurai- 625 014.

Sample Name : Water  
 Sample Description : Bore Well Water  
 Sample Submitted by : Customer  
 Location & Date : Above Address & 24.06.2024  
 Quantity of sample Received : 2 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	-	7.61	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	304	200	600
3	Total Alkalinity as CaCO <sub>3</sub>	IS 3025-Part 23-2023	mg/L	284	200	600
4	Chloride as Cl	IS 3025-Part 32-1988 (RA:2019)	mg/L	62	250	1000
5	Sulphate as SO <sub>4</sub>	IS 3025-Part 24sec (1)-2022	mg/L	37.1	200	400
6	Nitrate as NO <sub>3</sub>	APHA 24th Edition 2023- 4500 -NO <sub>3</sub> B	mg/L	8.3	45	45
7	Fluoride as F	APHA 24th Edition 2023 - 4500- F-D	mg/L	0.73	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*  
 28/6/24.  
 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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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	631	500	2000
6	Conductivity	APHA 23rd Edition 2017 - 2510 B	µS/cm	902	-	-
7	P - Alkalinity	IS 3025-Part 23-1983	mg/L	-	-	-
8	Calcium	APHA 23rd Edition 2017 - 3500 Ca B	mg/L	76	75	200
9	Magnesium	APHA 23rd Edition 2017- 3500 Mg B	mg/L	31	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.....

*B. Karuthapandian*  
28/6/24

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

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The test result of sample received as follows

Sl. No	BACTERIOLOGICAL EXAMINATION:	Sample No. 2024/MDU/1406 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 Bore well water sample is physically, chemically potable and also bacteriologically not contaminated.

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

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