TAMILNADU WATER SUPPLY AND DRAINAGE BOARD
DISTRICT WATER TESTING LABORATORY
Seevalaperi road, Shanthi nagar, Palayamkottai, Tirunelveli-627002.
Phone: 0462-2914676 Email:jwadwtltvl@gmail.com
TC – 15037

TEST REPORT

Doc.No: DWTL/FORM/7.8/01

Report No:	TR/2025/ 00177-1	Report Issue Date :	02.06.2025	Page No : 01 of 01
Invoice Details:	871 /Dt.29.05.2025 Amt.Rs.1652/-	ULR No	TC150372500000177F	

Client Name & Address Contact No / Email.ID	:	Dr. D. Senthil Kumaran, Correspondent, Sri Ramakrishna Matric Higher Secondary School, 12/81B, Jothi Nagar, Alangulam.
Sample Name	:	Water –Drinking water (Ro)
Sample Number	:	00177-1
Sample Description	:	Clear, Colour less Liquid
Sample Submitted by	:	Thiru. Dr. D. Senthil Kumaran
Location & Date	:	Inside the school & 29.05.2025
Quantity of sample Received	:	2 Litres
Sample Container	:	Jerry Cane
Sample Condition on Receipt	:	Good
Sample Received On	:	29.05.2025
Test Commenced on	:	29.05.2025
Test Completed on	:	02.06.2025

S. No	Parameters	Unit	Test Method	Result	Specification as per IS 10500:2012(RA:2019)	
					Acceptable Limit	Permissible Limit in the absence of alternate source
1	pH @ 25° C	-	IS 3025 Part 11-2022	6.64	6.5-8.5	6.5-8.5
2	Total Hardness as $CaCO_3$	mg/L	IS 3025 Part 21-2009	10	200	600
3	Total Alkalinity as $CaCO_3$	mg/L	IS 3025–Part 23 -2023	9	200	600
4	Chloride as Cl	mg/L	IS 3025-Part 32-1988	10	250	1000
5	Sulphate as SO4	mg/L	IS 3025-Part 24—2022 Sec (1) - (Turbidity Method)	< 5	200	400
6	Nitrate as NO_3	mg/L	APHA 24th Edition 2023– 4500 –NO3 B	8	45	45
7	Fluoride as F	mg/L	APHA 24th Edition 2023 – 4500- F-D	< 0.2	1.0	1.5

Remark: The tested sample confirmed to IS: 10500:2012 (RA: 2019) Drinking water Acceptable Limit specification with respect to above tested parameters.

.....End of the Report.....

02/6/25

Reviewed & Authorised Signatory
S. Satesh Kumar B.Sc.,
Junior water Analyst.

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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TEST REPORT

Doc.No: DWTL/FORM/7.8/01

Report No:	TR/2025/ 00177 -2	Report Issue Date :	02.06.2025	Page No : 01 of 01
Invoice Details:	871 /Dt.29.05.2025 Amt.Rs.1652/-			

Client Name & Address Contact No / Email.ID	:	Dr. D. Senthil Kumaran, Correspondent, Sri Ramakrishna Matric Higher Secondary School, 12/81B, Jothi Nagar, Alangulam.
Sample Name	:	Water –Drinking water (Ro)
Sample Number	:	00177-2
Sample Description	:	Clear, Colour less Liquid
Sample Submitted by	:	Thiru. Dr. D. Senthil Kumaran
Location & Date	:	Inside the school & 29.05.2025
Quantity of sample Received	:	2 Litres
Sample Container	:	Jerry Cane
Sample Condition on Receipt	:	Good
Sample Received On	:	29.05.2025
Test Commenced on	:	29.05.2025
Test Completed on	:	02.06.2025

S.No	Parameters	Test Method	Unit	Result	Specification as per IS 10500 : 2012	
					Acceptable Limit	Permissible Limit in the absence of alternate source
1	Appearance	Visual observation	--	Clear	Clear	Clear
2	Odour	IS 3025 Part 5 : 1983	--	Agreeable	Agreeable	Agreeable
3	Turbidity	APHA 23rd Edition 2017 - 2130 B	NTU	1	1	5
4	Total Dissolved Solids	APHA 23rd Edition 2017 – 2540 C	mg/L	40	500	2000
5	Conductivity	APHA 23rd Edition 2017 – 2510 B	µS/cm	59	-	-
6	P - Alkalinity	IS 3025–Part 23-1983	mg/L	NIL	-	-
7	Calcium as Ca	APHA 23rd Edition 2017 – 3500 Ca B	mg/L	2	75	200
8	Magnesium as Mg	APHA 23rd Edition 2017– 3500 Mg B	mg/L	1	30	100
9	Iron as Fe	APHA 23rd Edition 2017– 3500 Fe B	mg/L	0.04	0.3	1
10	Manganese as Mn	APHA 23rd Edition 2017 – 3500 Mn B	mg/L	-	0.1	0.3
11	Ammonia as NH_3	APHA 17th Edition-1989– 4500 NH3C	mg/L	0.02	0.5	0.5

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4. The result applied to the sample as received basis.

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S. No	Parameters	Test Method	Unit	Result	Specification as per IS 10500 : 2012	
					Acceptable Limit	Permissible Limit in the absence of alternate source
12	Nitrite as NO_2	APHA 23rd Edition 2017– 4500-NO2 B	mg/L	0.01	-	-
13	Total Phosphate as PO_4	APHA 23rd Edition 2017 – 4500 P- D	mg/L	0.02	-	-
14	Tidys 4 hr. test	APHA 23rd Edition 2017 – 4500 O - B	mg/L	0.24	-	-
15	Residual Chlorine	IS/APHA	mg/L	0	0.2	1.0
BACTERIOLOGICAL EXAMINATION						
16	Fecal Coliform	IS/APHA	CFU/ 100ML	40	0	0

Result: The given water sample is chemically potable and bacteriologically unsafe.

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

02/6/25

JUNIOR WATER ANALYST
D.W.T. LAB, TWAD BOARD,
T.T.K. CIRCLE, TIRUNELVELI.

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