TAMILNADU WATER SUPPLY AND DRAINAGE BOARD
DISTRICT WATER TESTING LABORATORY
No.41 E4, First Floor, Rajaji Nagar, College Road, Ariyalur-621704.
Phone: 04329 - 220142 E-mail: dwtlariyalur@gmail.com

TEST REPORT

Doc.No: DWTL/FORM/7.8/01

Report No:	TR/2026/ 2789	Report Issue Date :	23.03.2026	Page No:1of 3
Invoice Details:	2197/Dt:18.03.2026, Amt.Rs. 1652/-	-		

Client Name & Address Contact No / Email.ID	:	Principal, NR Public Senior Secondary School (CBSE), Udayarpalayam, Ariyalur (Dt).621804.
Sample Name	:	Water
Sample Code Number	:	2789
Sample Description	:	Drinking Water-Borewell
Sample Submitted by	:	Mr.R.Sivaprakash
Location & Date	:	NR Public Senior Secondary School (CBSE), Udayarpalayam, Jayankondam & 18.03.2026
Quantity of sample Received	:	2 Litre
Sample Container	:	Jerry Cane
Sample Condition on Receipt	:	Good
Sample Received On	:	18/03/2026
Test Commenced on	:	18/03/2026
Test Completed on	:	23/03/2026
Environmental Condition	:	Temperature °C- 25.8 ° C / Relative Humidity % -56.2%

S.No	Parameters	Test Method	Unit	Result	Specification as per IS 10500 : 2012	
					Acceptable Limit	Permissible Limit
1	pH@25°C	IS 3025 Part 11-2022	-	7.04	6.5-8.5	6.5-8.5
2	Color	IS 3025 Part 04(visual comparison method):2021	HU	<1	5	15
3	Odour	IS 3025 Part 05-2018	-	Agreeable	Agreeable	Agreeable
4	Taste	IS 3025 Part 08-2023	-	Agreeable	Agreeable	Agreeable
5	Total Hardness as CaCO3	IS 3025 Part 21 (RA:2023):2009	mg/L	209	200	600
6	Calcium as Ca	IS 3025 (Part 40)(EDTA titrimetric method):2024	mg/L	40.3	75	200
7	Magnesium as Mg	IS 3025 (Part 46)(volumetric method using EDTA): 2023	mg/L	26.0	30	100
8	Total Alkalinity as CaCO3	IS 3025 Part 23-2023	mg/L	147	200	600

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9	Chloride as Cl	IS 3025-Part 32(Argentometric method) (RA:2019):1988	mg/L	58	250	1000

Sl.No	Parameters	Test Method	Unit	Result	Specification as per IS 10500 : 2012	
					Acceptable Limit	Permissible Limit
10	Sulphate as SO4	APHA24th Edition-4500-SO4 Method E(Turbidimetric Method): 2023	mg/L	31.5	200	400
11	Nitrate as NO_3	APHA 24th Edition -4500- NO3 Method B (UV Screening Method): 2023	mg/L	2.7	45	45
12	Fluoride as F	APHA 24th Edition -4500-F Method D (SPADNS Method): 2023	mg/L	0.34	1.0	1.5
13	Turbidity	IS 3025 (Part 10): 2023	NTU	<0.5	1.0	5.0
14	Total Dissolved Solids	IS 3025 (Part 16): 2023	mg/L	358	500	2000

Remark: The tested sample conformed to IS: 10500:2012 (RA:2023) drinking water specifications with respect to Acceptable Limit / Permissible Limit for the tested parameters.

...End of the report...

23/3/26 (Chemist)

S. Vairamuthu 23/3/26

Reviewed & Authorised By
S.VAIRAMUTHU.M.Tech., Assistant Executive Engineer(A/C),
TWAD Board, Ariyalur.

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 items will not be retained for 15 days from the date of the test report.
4. The Result applied to the sample as Received basis
5. *Information is Provided by the Customer. Laboratory has not Responsible for the Sampling Stage

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Environmental Condition	:	Temperature °C- 25.8 ° C / Relative Humidity % -56.2%

S.No	Parameters	Unit	Test Method	Result	Specification as per IS 10500:2012(RA:2023)	
					Acceptable Limit	Permissible Limit in the absence of alternate source
1	Iron as Fe	mg/L	APHA 23rd Edition 2017– 3500 Mg B	0.0	0.3	1
2	Manganese as Mn	mg/L	APHA 23rd Edition 2017– 3500 Fe B	0.0	0.1	0.3
3	Ammonia as NH_3	mg/L	APHA 23rd Edition 2017 – 3500 Mn B	0.01	0.5	0.5
4	Nitrite as NO_2	mg/L	APHA 17th Edition-1989– 4500 NH3C	0.0	-	-
5	Total Phosphate as PO_4	mg/L	APHA 23rd Edition 2017– 4500-NO2 B	0.0	-	-
6	Tidys 4 hr. test	mg/L	APHA 23rd Edition 2017 – 4500 P- D	0.0	-	-
7	Residual Chlorine	mg/L	APHA 23rd Edition 2017 – 4500 O - B	0.0	0.2	1
8	Conductivity	µS/cm	APHA 23rd Edition 2017 – 2510 B	512	-	-
BACTERIOLOGICAL EXAMINATION						
9	Fecal Coliform	CFU/ 100ML	IS/APHA	0	0	0

Remark: The tested sample conformed to IS: 10500:2012 (RA:2023) drinking water specifications with respect to Acceptable Limit / Permissible Limit for the tested parameters. …End of the report…

Report:- 2789- The water is Physically and Chemically Potable.
The water is Bacteriologically Not Contaminated.

Verified by: 23/3/26 (Chemist)

S.V 23/3/26
Reviewed & Authorised By
S.VAIRAMUTHU.M.Tech., Assistant Executive Engineer(A/C).
TWAD Board, Ariyalur.

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