



TAMILNADU WATER SUPPLY AND DRAINAGE BOARD

DISTRICT WATER TESTING LABORATORY

Naganathapuram, V.A.O.Office(opp),Omsakthi Nagar,
Ramanathapuram-623504

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TEST REPORT

Doc.No: DWTL/Form/7.8/01

Report No:	TR/2024/ 27661-1	Report Issue Date :	29.02.2024	Page No : 01 of 01
Invoice Details:	133/Dt.27.02.2024 Amt.1652 / -			

Client Name & Address Contact No / Email.ID	: Dr.Abdul Kalam Public School (CBSE) , Pudhu Nagar , Paramakudi , Ramanathapuram Dt.
Sample Name	: Water
Sample Number	: 27661-1
Sample Description	: RO Water
Sample Submitted by	: Mr.R.Kathiravan
Location & Date	: Dr.Abdul Kalam Public School (CBSE) Campus & 27.02.2024
Quantity of sample Received	: 2 Litre
Sample Container	: Jerry Can
Sample Condition on Receipt	: Good
Sample Received On	: 27.02.2024
Test Commenced on	: 27.02.2024
Test Completed on	: 29.02.2024
Environmental Condition	: 23.0°C – 27.0°C

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 ^o C	-	IS 3025 Part 11-1983	6.85	6.5-8.5	6.5-8.5
2	Total Hardness as CaCO ₃	mg/L	IS 3025 Part 21-2009	12	200	600
3	Total Alkalinity as CaCO ₃	mg/L	IS 3025-Part 23-1986	19	200	600
4	Chloride as Cl	mg/L	IS 3025-Part 32-1988	28	250	1000
5	Sulphate as SO ₄	mg/L	IS 3025-Part 24-1986	3	200	400
6	Nitrate as NO ₃	mg/L	APHA 23rd Edition 2017- 4500 -NO3 B	0	45	45
7	Fluoride as F	mg/L	APHA 23rd Edition 2017 - 4500- F-D	0.2	1.0	1.5

Remark: The tested sample conformed to IS: 10500:2012 (RA: 2019) Drinking water specification with respect to above tested parameters. The Decision rule is not applicable.

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

V. Muthukrishnan
V. Muthukrishnan
Assistant Executive Engineer,

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 issue of the test report.
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/2024/ 27661-2	Report Issue Date :	29.02.2024	Page No:01 of 02
Invoice Details:	133 / Dt.27.02.2024 / Amt.1652 / -			

Client Name & Address Contact No / Email.ID	: Dr.Abdul Kalam Public School (CBSE) , Pudhu Nagar , Paramakudi , Ramanathapuram Dt.
Sample Name	: Water
Sample Number	: 27661-2
Sample Description	: RO Water
Sample Submitted by	: Mr.R.Kathiravan
Location & Date	: Dr.Abdul Kalam Public School (CBSE) Campus & 27.02.2024
Quantity of sample Received	: 2 Litre
Sample Container	: Jerry Can
Sample Condition on Receipt	: Good
Sample Received On	: 27.02.2024
Test Commenced on	: 27.02.2024
Test Completed on	: 29.02.2024
Environmental Condition	: 23.0°C – 27.0°C

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	--	None	Agreeable	Agreeable
3	Turbidity	APHA 23rd Edition 2017 - 2130 B	NTU	0	1	5
4	Total Dissolved Solids	APHA 23rd Edition 2017 – 2540 C	mg/L	83	500	2000
5	Conductivity	APHA 23rd Edition 2017 – 2510 B	μS/cm	119	-	-
6	P - Alkalinity	IS 3025-Part 23-1983	mg/L	0	-	-
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	0.3	1
10	Manganese as Mn	APHA 23rd Edition 2017 – 3500 Mn B	mg/L	0	0.1	0.3
11	Ammonia as NH ₃	APHA 17th Edition-1989– 4500 NH ₃ C	mg/L	0	0.5	0.5

V. Muthukrishnan
Authorised Signatory
V. Muthukrishnan
Assistant Executive Engineer

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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	-	-
13	Total Phosphate as PO ₄	APHA 23rd Edition 2017 - 4500 P- D	mg/L	0	-	-
14	Tidys 4 hr. test	APHA 23rd Edition 2017 - 4500 O - B	mg/L	0.20	-	-
15	Residual Chlorine	IS/APHA	mg/L	0	0.2	1.0
BACTERIOLOGICAL EXAMINATION						
16	Fecal Coliform	IS/APHA	CFU/ 100ML	0	0	0

Report: The tested sample conformed to IS:10500:2012(RA: 2019)drinking water specification with respect to above tested parameters.

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


Authorised Signatory
V. Muthukrishnan
Assistant Executive Engineer

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