



TAMILNADU WATER SUPPLY AND DRAINAGE BOARD

DISTRICT WATER TESTING LABORATORY

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

Phone: 04567 - 232219

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TEST REPORT

Doc.No: DWTL/FORM/7.8/01

Report No:	TR/2024/ 27724	Report Issue Date :	09.07.2024	Page No : 01 of 01
Invoice Details:	162/Dt.06.07.2024 Amt.Rs.1652 / -			

Client Name & Address Contact No / Email.ID	: Al Qalam International School (CBSE), Ramnad - Rameswaram Highway Road, Perungulam, Ramanathapuram.
Sample Name	: Water
Sample Number	: 27724
Sample Description	: RO Water
Sample Submitted by	: Mr.Meeran
Location & Date	: Al Qalam International School (CBSE) & 06.07.2024
Quantity of sample Received	: 2 Litre
Sample Container	: Jerry Can
Sample Condition on Receipt	: Good
Sample Received On	: 06.07.2024
Test Commenced on	: 06.07.2024
Test Completed on	: 09.07.2024
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° C	-	IS 3025 Part 11-1983	7.25	6.5-8.5	6.5-8.5
2	Total Hardness as CaCO ₃	mg/L	IS 3025 Part 21-2009	20	200	600
3	Total Alkalinity as CaCO ₃	mg/L	IS 3025-Part 23-1986	15	200	600
4	Chloride as Cl	mg/L	IS 3025-Part 32-1988	30	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

V. Muthukrishnan
Authorised Signatory
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/ 27724	Report Issue Date :	09.07.2024	Page No:01 of 02
Invoice Details:	162/Dt.28.06.2024 / Amt.Rs.1652 / -			

Client Name & Address Contact No / Email.ID		: Al Qalam International School (CBSE), Ramnad - Rameswaram Highway Road, Perungulam, Ramanathapuram.				
Sample Name	:	Water				
Sample Number	:	27724				
Sample Description	:	RO Water				
Sample Submitted by	:	Mr.Meeran				
Location & Date	:	Al Qalam International School (CBSE) & 06.07.2024				
Quantity of sample Received	:	2 Litre				
Sample Container	:	Jerry Can				
Sample Condition on Receipt	:	Good				
Sample Received On	:	06.07.2024				
Test Commenced on	:	06.07.2024				
Test Completed on	:	09.07.2024				
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
8	Appearance	Visual observation	--	Clear	Clear	Clear
9	Odour	IS 3025 Part 5 : 1983	--	None	Agreeable	Agreeable
10	Turbidity	APHA 23rd Edition 2017 - 2130 B	NTU	0	1	5
11	Total Dissolved Solids	APHA 23rd Edition 2017 – 2540 C	mg/L	88	500	2000
12	Conductivity	APHA 23rd Edition 2017 – 2510 B	µS/cm	125	-	-
13	P - Alkalinity	IS 3025-Part 23-1983	mg/L	0	-	-
14	Calcium as Ca	APHA 23rd Edition 2017 – 3500 Ca B	mg/L	4	75	200
15	Magnesium as Mg	APHA 23rd Edition 2017– 3500 Mg B	mg/L	2	30	100
16	Iron as Fe	APHA 23rd Edition 2017– 3500 Fe B	mg/L	0	0.3	1
17	Manganese as Mn	APHA 23rd Edition 2017 – 3500 Mn B	mg/L	0	0.1	0.3
18	Ammonia as NH ₃	APHA 17th Edition-1989– 4500 NH ₃ C	mg/L	0	0.5	0.5

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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
19	Nitrite as NO ₂	APHA 23rd Edition 2017- 4500-NO2 B	mg/L	0	-	-
20	Total Phosphate as PO ₄	APHA 23rd Edition 2017 - 4500 P- D	mg/L	0	-	-
21	Tidys 4 hr. test	APHA 23rd Edition 2017 - 4500 O - B	mg/L	0.20	-	-
22	Residual Chlorine	IS/APHA	mg/L	0	0.2	1.0
BACTERIOLOGICAL EXAMINATION						
23	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.....


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