TAMILNADU WATER SUPPLY AND DRAINAGE BOARD



DISTRICT WATER TESTING LABORATORY

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

Phone: 04567 - 232219

E-mail:ramnaddistrictlab@gmail.com

		1EST REPORT	Doc.No: DWTL/FORM/7.8		
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		

					Specification as per IS 10500:2012(RA:2019)	
S.No		Result	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 SO4	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

Authorised Signatory
V. Muthukrishnan
Assistant Executive Engineer,

Note:

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

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TEST	FR	FP	OI	TF
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Doc.No: DWTL/FORM/7.8/01

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Report No:	TR/2024/ 27724	Report Issue Date:	09.07.2024	Page No:01 of 02
Invoice Details:	162/Dt.28.06.2024 / A	Amt.Rs.1652 / -		

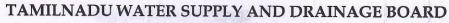
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Test Commenced on	: 06.07.2024
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Environmental Condition	: 23.0°C - 27.0°C Specification as p

nvironmental Condition		Jildi Condition			Specification as per IS 10500 : 2012	
S.No	Parameters	Parameters Test Method Unit Resul	Result	esult Acceptable Limit	Permissible Limit in the absence of alternate source	
8	Appearance	Visual observation		Clear	Clear	Clear
9	Odour	IS 3025 Part 5 : 1983	- 1	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 NH3C	mg/L	0	0.5	0.5

Authorised Signatory V. Muthukrishnan Assistant Executive Engineer

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TEST REPORT

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Invoice Details:	162/Dt.28.06.2024 / A	amt.Rs.1652 / -		1 1121111

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	- 1	
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
BACTE	RIOLOGICAL EXAMINA	ATION				488
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......

Authorised Signatory
V. Muthukrishnan
Assistant Executive Engineer

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