

# TAMILNADU WATER SUPPLY AND DRAINAGE BOARD

## DISTRICT WATER TESTING LABORATORY

Seevalaperi road, Shanthi nagar, Palayamkottai,  
Tirunelveli-627002.

Phone: 0462-2914676

Email: jwadwltvl@gmail.com



### TEST REPORT

Doc.No: DWTL/FORM/7.8/01

Test Report No: 58681-58682	Report Issue Date : 08.07.2022
Invoice Details: 8500 Dt.05.07.2022/Amt.Rs.1652/	

Client Name & Address Contact No / Email.ID	: Keins CBSE School, Asir Nagar , Dhalapathi Samuthiram, Tirunelveli- 627101.
Sample Name	: Water
Sample Description	: Ro Plant
Sample Submitted by	: S. Edwin
Location & Date	: Keins CBSE School( Inside the Campus) & 05/07/2022
Quantity of sample Received	: 2 Litre
Sample Container	: Plastic – Good condition
Sample Condition on Receipt	: Good
Sample Received On	: 05/07/2022
Test Commenced on	: 05/07/2022
Test Completed on	: 08/07/2022
Environmental Condition	: 25.5°C

S.No	Parameters	Test Method	Unit	Result	Specification as per IS 10500 : 2012	
					Acceptable Limit	Permissible Limit
1	pH	IS 3025 Part 11-1983	-	6.50	6.5-8.5	6.5-8.5
2	Total Hardness as CaCO <sub>3</sub>	IS 3025 Part 21-20009	mg/L	31	200	600
3	Total Alkalinity	IS 3025-Part 23-1986	mg/L	12	200	600
4	Chloride as Cl	IS 3025-Part 32-1988	mg/L	17	250	1000
5	Sulphate as SO <sub>4</sub>	IS 3025-Part 24-1986	mg/L	5	200	400
6	Nitrate as NO <sub>3</sub>	APHA 23rd Edition 2017- 4500 -NO3 B	mg/L	2	45	45
7	Fluoride as F	APHA 23rd Edition 2017 - 4500- F-D	mg/L	<0.2	1.0	1.5
S.No	Parameters	Test Method	Unit	Result	Specification as per	

Authorised Signatory  
G. Kumar - Assistant 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.

Principal  
Keins CBSE School  
Asir Nagar  
Vallioor - 627101

Correspondent  
Keins CBSE School  
Asir Nagar  
Vallioor.



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S.No	Parameters	Test Method	Unit	Result	Specification as per IS 10500 : 2012	
					Acceptable Limit	Permissible Limit
8	Appearance	Physical observation	--	Clear	-	-
9	Colour	APHA 23rd Edition 2017 4500 H+B	Hazen	Colourless	Agreeable	Agreeable
10	Odour	IS 3025 Part 5 : 1983	--	None	-	-
11	Turbidity	APHA 23rd Edition 2017 - 2130 B	NTU	0	1	5
12	Total Dissolved Solids	APHA 23rd Edition 2017 - 2540 C	mg/L	57	500	2000
13	Conductivity	APHA 23rd Edition 2017 - 2510 B	µS/cm	84	-	-
14	Calcium	APHA 23rd Edition 2017 - 3500 Ca B	mg/L	8	75	200
15	Magnesium	APHA 23rd Edition 2017- 3500 Mg B	mg/L	2	30	100
16	Sodium	APHA 23rd Edition 2017 - 3500 Na B	mg/L	3	-	-
17	Potassium	APHA 23rd Edition 2017 - 3500 K B	mg/L	4	-	-
18	Iron	APHA 23rd Edition 2017- 3500 Fe B	mg/L	0.12	0.3	1
19	Manganese	APHA 23rd Edition 2017 - 3500 Mn B	mg/L	-	0.1	0.3
20	Ammonia	APHA 17th Edition-1989- 4500 NH3C	mg/L	0.00	0.5	0.5
21	Nitrite as NO <sub>2</sub>	APHA 23rd Edition 2017- 4500-NO2 B	mg/L	0.08	-	-
22	Total Phosphate as PO <sub>4</sub>	APHA 23rd Edition 2017 - 4500 P- D	mg/L	0.00	-	-
23	Tidys	IS/APHA	ml	0.20	-	-
24	Fecal Coliform per 100 ml.	APHA 23rd Edition 2017 - 4500 O - B	mg/L	0	Nil/100ml	Nil/100ml

Remarks -

The above water samples confirmed to IS 10500 - 2012 Drinking water specification with respect to above tested parameters.

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

Authorised Signatory  
G. Kumar - Assistant Engineer

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