



TAMILNADU WATER SUPPLY AND DRAINAGE BOARD

STATE LEVEL WATER TESTING LABORATORY

31, Kamarajar Salai, Chepauk, Chennai - 600 005

Phone: 044 – 28412098 E-mail: twadboardcwa@gmail.com

Test Report

Sample Receipt No/Date :	2431/Dt.27.12.2023
Invoice Details :	2988/Dt.27.12.2023/ Amt-Rs.2360/-
Customer Name and Address :	Sri Chaitanya Techno School, Velachery, Chennai-600042
Test Commenced on :	27.12.2023
Test Completed on :	28.12.2023
Test Report Date :	29.12.2023
SAMPLE DETAILS FURNISHED BY CUSTOMER	
Source :	RO Water
Location :	Sri Chaitanya Techno School, Velachery
Sample drawn by/Date :	Customer / 27.12.2023
Quantity Received :	2 litres
Sample container :	Plastic
Condition of the sample :	Good Condition
Appearance, Colour, Odour :	Clear / Colourless / Agreeable

The test result of sample received is as follows.

Sl. No.	I. PHYSICAL EXAMINATION	Method of Testing	Sample No. 5813	IS 10500 : 2012 Permissible limit in the absence of alternate source
1	Turbidity NT Units	APHA 23 rd Edition 2017 - 2130 B	0.6	5
2	Total dissolved Solids mg/L	APHA 23 rd Edition 2017 - 2540 C	22	2000
3	Electrical Conductivity Micro mho/cm	APHA 23 rd Edition 2017 - 2510 B	32	-
II. CHEMICAL EXAMINATION				
4	pH at 25°C	IS 3025 part 11-1983 - Reaffirmed 2017	6.69	6.5-8.5
5	Ph. Alkalinity as CaCO ₃ mg/L	IS 3025-part 23-1983 - Reaffirmed 2014	0	-
6	Total Alkalinity. as CaCO ₃ mg/L	IS 3025-part 23-1986 - Reaffirmed 2014	9	600
7	Total Hardness as CaCO ₃ mg/L	IS 3025 part 21-2009-Reaffirmed 2014	7	600
8	Calcium as Ca mg/L	APHA 23 rd Edition 2017 - 3500 Ca B	0	200
9	Magnesium as Mg mg/L	APHA 23 rd Edition 2017- 3500 Mg B	1	100
10	Sodium as Na mg/L	APHA 23 rd Edition 2017 - 3500 Na B	4	-
11	Potassium as K mg/L	APHA 23 rd Edition 2017 - 3500 K B	0	-
12	Iron as Fe mg/L	APHA 23 rd Edition 2017- 3500 Fe B	0	1.0
13	Manganese as Mn mg/L	APHA 23 rd Edition 2017 - 3500 Mn B	0	0.3
14	Free Ammonia as NH ₃ mg/L	APHA 17 th Edition-1989- 4500 NH ₃ C	0	0.5
15	Nitrite as NO ₂ mg/L	APHA 23 rd Edition 2017- 4500 -NO ₂ B	0.03	-
16	Nitrate as NO ₃ mg/L	APHA 23 rd Edition 2017- 4500-NO ₃ B	0	45
17	Chloride as Cl mg/L	IS 3025-part 32-1988- Reaffirmed 2014	5	1000
18	Fluoride as F mg/L	APHA 23 rd Edition 2017 - 4500- F-D	0.00	1.5
19	Sulphate as SO ₄ mg/L	IS 3025-part 24-1986-Reaffirmed 2014	0	400
20	Phosphate as PO ₄ mg/L	APHA 23 rd Edition 2017 - 4500 P- D	0.00	-
21	Tidy's Test 4 hrs.as O ₂ mg/L	APHA 23 rd Edition 2017 - 4500 O - B	0.13	-

Reviewed by
K. Rengaraj - Assistant Water Analyst.

Note:

- The test results relate only to the items tested.
- The test report shall not be reproduced anywhere except in full and in the same format without the permission of the laboratory.
- 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.
- The result applied to the sample as received basis.

Authorised Signatory
Dr. V. Gopal - Chief Water Analyst.



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SAMPLE DETAILS FURNISHED BY CUSTOMER	
Source :	RO Water
Location :	Sri Chaitanya Techno School, Velachery
Sample drawn by/Date :	Customer / 27.12.2023
Quantity Received :	250 ml
Sample container :	Plastic
Condition of the sample :	Good Condition

The test result of sample received is as follows.

Sl. No.	BACTERIOLOGICAL EXAMINATION	Sample No.5814 Result	BIS 10500 - 2012	
			Max limit	
1	Standard plate count CFU/1ml	2400	500 Organisms/ml	
2	Total coliform CFU/100ml	1800	Nil/100 ml	
3	Fecal coliform CFU/100ml	30	Nil/100 ml	
4	Fecal Streptococcus CFU/100ml	2	Nil/100 ml	

Report: 5814-The Water Sample does not meet the requirement of IS10500:2012 with respect to the parameters tested.

2. On 29/12/23

29/12/23

Reviewed by
K. Rengaraj - Assistant Water Analyst.

Authorised Signatory
Dr.V. Gopal - Chief Water Analyst.

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