

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



TC - 07779

TEST REPORT

Doc.No: SLWTL/FORM/7.8/01

Sample / Lab No:	2022/ 05305	Report Issue Date :	19.01.2023
Invoice Details:	2766/ Dt.13.01.2023/ Amt.Rs.1180/-		
ULR No	TC0777922000005305F		

Client Name & Address	: KVIG -2, Principal Kendriya Vidyalaya Island Grounds, Chennai-600002.
Contact No / Email.ID	: 044-25360191.
Sample Name	: Water
Sample Description	: Metro Water
Sample Submitted by	: Customer - Kendriya vidyalaya Island grounds
Location & Date	: Islands Grounds & 13/01/2023
Quantity of sample Received	: 2 Litres
Sample Container	: Plastic - Good condition
Sample Condition on Receipt	: Good
Sample Received on	: 13/01/2023
Test Commenced on	: 13/01/2023
Test Completed on	: 18/01/2023
Environmental Condition	: 25.9°C

S.No	Parameters	Test Method	Unit	Sample No. 05305 Result	Specification as per IS 10500 : 2012	
					Acceptable Limit	Permissible Limit in the absence of alternate source
1	pH @ 25° C	IS 3025 Part 11-1983	-	7.96	6.5-8.5	No Relaxation
2	Total Alkalinity as CaCO ₃	IS 3025-Part 23-1986	mg/L	104	200	600
3	Total Hardness as CaCO ₃	IS 3025 Part 21-2009	mg/L	120	200	600
4	Nitrate as NO ₃	APHA 23rd Edition 2017- 4500 -NO ₃ B	mg/L	<1	45	No Relaxation
5	Chloride as Cl	IS 3025-Part 32-1988	mg/L	94	250	1000
6	Fluoride as F	APHA 23rd Edition 2017 - 4500- F-D	mg/L	0.50	1.0	1.5
7	Sulphate as SO ₄	IS 3025-Part 24-1986	mg/L	36	200	400

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19/1/23

Reviewed by

K. Rengaraj - Assistant Water Analyst.

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.

Authorised Signatory

Dr. V. Gopal - Chief Water Analyst.

Issue No./Date	01/01.04.2021	Amend. No/ Date	01/01.07.2022	Page No	1 of 2
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S.No	Parameters	Test Method	Unit	Sample No. 05305 Result	Specification as per IS 10500 : 2012	
					Acceptable Limit	Permissible Limit in the absence of alternate source
8	Appearance	Physical observation	--	Clear	-	-
9	Colour	APHA 23rd Edition 2017 4500 H+B	--	Colourless	Agreeable	Agreeable
10	Odour	IS 3025 Part 5 : 1983	--	Agreeable	-	-
11	Turbidity	APHA 23rd Edition 2017 - 2130 B	NTU	0	1	5
12	Total Dissolved Solids	APHA 23rd Edition 2017 - 2540 C	mg/L	374	500	2000
13	Electrical Conductivity	APHA 23rd Edition 2017 - 2510 B	μS/cm	534	-	-
14	Ph. Alkalinity as CaCO ₃	IS 3025-Part 23-1983	mg/L	0	-	-
15	Calcium as Ca	APHA 23rd Edition 2017 - 3500 Ca B	mg/L	27	75	200
16	Magnesium as Mg	APHA 23rd Edition 2017- 3500 Mg B	mg/L	13	30	100
17	Sodium as Na	APHA 23rd Edition 2017 - 3500 Na B	mg/L	61	-	-
18	Potassium as K	APHA 23rd Edition 2017 - 3500 K B	mg/L	7	-	-
19	Iron as Fe	APHA 23rd Edition 2017- 3500 Fe B	mg/L	0.50	1.0	No relaxation
20	Manganese as Mn	APHA 23rd Edition 2017 - 3500 Mn B	mg/L	0	0.1	0.3
21	Free Ammonia as NH ₃	APHA 17th Edition-1989- 4500 NH ₃ C	mg/L	0	0.5	No relaxation
22	Nitrite as NO ₂	APHA 23rd Edition 2017- 4500-NO ₂ B	mg/L	0	-	-
23	Total Phosphate as PO ₄	APHA 23rd Edition 2017 - 4500 P- D	mg/L	0.20	-	-
24	Tidys Test 4 hrs. as O ₂	APHA 23rd Edition 2017 - 4500 O - B	mg/L	040	-	-

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

Reviewed by,

K. Rengaraj - Assistant Water Analyst.

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Issue No./Date	01/01.04.2021	Amend. No/ Date	01/01.07.2022	Page No	2 of 2
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