



DISTRICT WATER TESTING LABORATORY, R.W.S.&S. DIVISION, MAHANADI VIHAR, CUTTACK

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WATER ANALYSIS REPORT



TEST REPORT NO.- DWTL-TR/68/2025-26/S-1 to S-1

DATE OF ISSUE -05.07.2025

Sample Particulars		Details of Sampling	
Name of the Customer :-	St Xavier's High School.	Type of Source:-	AQUAGUARD.
		Date of Sampling:-	02.07.2026
		Sample receive date/ Time:-	02.07.2026(12 PM)
Sample Package Condition:-		Sample Registration Date:-	02.07.2026
a) Quantity of Sample Received :-500ml		Sampling Protocol:-	Samples are not collected by Sample Collector of this Laboratory
b) Type of Container :- pp		Sample Collected by:-	CUSTOMER.
c) Sealed / Unsealed : Sealed		Sample Location:-	AT/po- BRAHMANJHARILO,RAIPUR,CUTTACK-754001.

TEST RESULT

Test started on-		02.07.2025		Test completed on-		05.07.2025	
SL	Test Parameters	Units	Results	Requirements IS 10500 : 2012		Test Method	
				Acceptable Limit	Permissible Limit in absence of alternate source		
1	Temperature*	25.1°C		-----	-----	Instrumental Method	
2	pH	pH Unit	1- 6.94	6.5 to 8.5	No relaxation	Electrometric Method, (APHA 23 rd Ed 4500-H ⁺ B)	
3	Elect. Conductivity	µmho/cm	1- 72.4	---	----	Instrumental Method (APHA 23 rd Ed 2510 B)	
4	Turbidity	NTU	1- 0.08	1.0	5.0	Nephelometric Method (APHA 23 rd Ed. - 2130. B)	
5	Chloride	mg/l	1- 05	250	1000	Argentometric Method (APHA 23 rd Ed 4500 - Cl- B)	
6	Total Hardness (as CaCO ₃)	mg/l	1- 34	200	600	EDTA Titrimetric Method (APHA 23 rd Ed 2340 C)	
7	Total Alkalinity (as CaCO ₃)	mg/l	1- 12	200	600	Titration Method (APHA 23 rd Ed. - 2320 B)	
8	Iron	mg/l	1- 0.004	1.0	No relaxation	Phenanthroline Method (APHA 23 rd Ed 3500 - Fe B)	
9	Total Dissolved Solids* (TDS)	mg/l	1- 38	500	2000	Gravimetric Method	
10	Calcium (as Ca)	mg/l	1- 7.21	75	200	EDTA Titrimetric Method (APHA 23 rd Ed 3500 B)	

Dasmin Begum

Principal
Principal
St.Xavier High School
Brahman Jharilo,Cuttack

Secretary
St. Xavier's High School
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11	Magnesium (as Mg)	mg/l	1- 3.88	30	100	Calculation Method (APHA 23 rd Ed 3500 B)
12	SULPHATE	Mg/l	1- 3.95	200	400	Turbidimetric Method (APHA, 23 rd Ed.-4500- SO ₄ ²⁻)
13	FLUORIDE	Mg/l	1. 0.021	1.0	1.5	SPADNS METHOD METHOD (APHA 23 rd Ed-4500 F - C)
BACTERIOLOGICAL TEST						
14	E.COLIFORM	MPN/100 ml	1) <1.0	Shall not be detectable in any 100ml samples		Colliert-18/IDEXX- QUANTITY TRAY [ENZYME SUBSTRATE TEST APHA 23 rd Ed 9223- c(- B)
15	TOTAL COLIFORM	MPN/100 ml	1) <1.0			

Note :- The samples were tested with dilution.

Information on Test Report :

Results relates only to samples received in the Laboratory.

The test report shall not be reproduced except in full without written approval of DWTL.

#APHA - American Public Health Association

Checked & Compared by

[Signature]

05.07.25
LAB CHEMIST

DISTRICT WATER TESTING
LABORATORY, CUTTACK

[Signature]
05.07.25

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