

# UTTAR DINAJPUR DISTRICT WATER TESTING LABORATORY

PUBLIC HEALTH ENGINEERING DEPARTMENT

GOVT.OF WEST BENGAL

RAIGANJ DIVISION, PIN-733130

Email: utta\_dl@wbphed.gov.in

## TEST REPORT

Issued To: Sarada Vidya Mandir (CBSE)  
Sudarshanpur, Raiganj

ULR No:TC1079222100000001F

Report No: UDDWTL/TR/03/2023/273

Date: 20.03.2023

Ref. Memo No: Nil



TC-10792

Type of Sample: Drinking Water

### Sample Particulars:

Sample Description: 500 ml

Sample Code: UDDWTL/03/2023/273

Test Parameters: Chemical Analysis Report of Water (Limit as per IS: 10500:2012)

Date of Receive of Sample: 16.03.2023


Date of completion: 16.03.2023

Date of Starting of Analysis: 16.03.2023

### CHEMICAL TEST RESULTS

Sl. No.	Test Parameters	Unit	Test Methods	Requirement (Acceptable Limit)	Permissible Limit in the absence of alternate Source	Results
				As per IS 10500 : 2012		
1	pH	—	IS 3025 (Part 11) 2017 Electrometric method Reaffirmed	6.5-8.5	6.5-8.5	7.01
2	Total Dissolved Solids	mg/L	IS 3025 (Part 11) 2017 Gravimetric Method	500	2000	160
3	Turbidity	NTU	IS 3025 (Pt 10)1984, RA 2017 Nephelometric Turbidity Method	1	5	1.24
4	Calcium	mg/L	IS 3025 (Part 40):2019	5	2000	30.7
5	Chloride	mg/L	IS 3025 (Part 32): 2014 Argentometric Method Reaffirmed	250	1000	44.58
6	Total Alkalinity	mg/L	IS 3025 (Part 23)2019, Indicator Method	200	600	86.04
7	Colour	HU	IS 3025 (Part 4)1983,	5	15	5
8	Total Hardness	mg/L	IS 3025 (Part 21) : 2019 EDTA Titrimetric Method	200	600	130.08
9	Odour	Qualitative	IS 3025 (Part-5):1983	Agreeable	Agreeable	Agreeable
10	Taste	Qualitative	IS 3025 (Part-7):1984	Agreeable	Agreeable	Agreeable
11	Magnesium	mg/L	IS 3025 (Part 46):2019	5	1000	12.79
12	Fluoride	Mg/L	APHA 23rd Edition,4500FC;Ion Selective Electrode Method	1	1.5	0.46

Checked By:

  
**Mr. Rabindra Nath Dey**  
Technical Manager  
Authorised Signatory

• The Result Relate only to the item(S) Tested.

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• Sample not drawn by us

**Government of West Bengal**  
**Directorate of Public Health Engineering**  
**Office of the Assistant Engineer, Raiganj Sub-Division**  
**P.H.E Office Complex, Karnajora, Raiganj, Uttar Dinajpur, Pin:-733130**  
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**Drinking Water Quality Test Report**

Report No: DWTL-06(A)/3383

Date : 20.03.2023

<b>Name of the Organization</b>		Sarada Vidya Mandir (CBSE) Sudarshanpur, Raiganj	
<b>Sample Description</b>		Drinking Water test report of Sarada Vidya Mandir (CBSE)	
<b>Date of sample collection</b>		16.03.2023	
<b>Sample volume (ml)</b>	<b>Physical parameters</b>	100ml	
	<b>Chemical Parameters</b>	100ml	
	<b>Bacteriological water quality</b>	250ml	
<b>Sample preservation</b>	<b>Chemical Parameters</b>	Acidifying with HCl	
	<b>Bacteriological water quality</b>	Non Acidified	
<b>Sample drawn by (Organization/Laboratory staff)</b>		Sample collected & sent by Organization	
<b>Date of received of sample</b>		16.03.2023	
<b>Date of start of analysis</b>		16.03.2023	
<b>Date of end of analysis</b>		17.03.2023	
<b>Test Specification</b>			

\*Acidified/non acidified, if acidified-specify the acid used for preservat .

<b># Quenching agent added</b> (applicable in case of chlorinated sample only)	<b>No</b>
<b># sample transported under 10° C</b>	<b>No</b>

**Physical and Chemical Analysis:-**

Sl No.	Parameters	Method	Results	AL/Requirement	PL	Remarks
1	pH at 25° C	IS3025(part 11) :1984; Electrometric Method	NA	6.5	8.5	
2	Turbidity (NTU)	IS3025(part 11) :1984, Nephelometric Method	NA	1.00	5.00	
3	Total Hardness (as CaCO3)mg/L	IS3025 (part 21);1983;EDTA Titrimetric Method	NA	200	600	
4	Fluoride(mg/L)	APHA 23rd Edition, 4500 F C; Ion Selective Electrode Method	NA	1.0	1.5	
5	Total Iron (mg/L)	Photometric Method	1.94	1.0	NR	Above permissible limit
6	Residual Free Chlorine (mg/L)***	Visual Comparatometric Method	NA	0.2	1.0	
7	Manganese (mg/L)	Photometric Method	0.02	0.1	0.3	

\*\*If applicable;\*\*\* For Chlorinated samples only.

**Bacteriological Water Quality:-**

Sl No.	Parameters	Method	Result	Requirement	Remarks
1	Total Coliform (CFU/100MI)	IS15185;Membrane Filtration Technique	14	Shall not be present in any 100ml of sample	Sample is not fit for drinking
2	E.coli (CFU/100MI)	IS15185;Membrane Filtration Technique	0	Shall not be present in any 100ml of sample	

\*\*AL:-Acceptable Limit, \*\*PL:- Permissible Limit, \*\* NR:-No Relaxation, \*\* CFU:- Colony Forming Unit.

\*\* NT:-Not Test, \*\*NA:- Not Applicable

Py. 22.03.2023  
**Tested by:-**  
**Chemist**  
 District Water Testing Laboratory  
 Kamajora, Raiganj, Uttar Dinajpur.

f. *[Signature]* 22.03.23  
**Reviewed by/Checked by:-**  
**Bacteriologist**  
 District Water Testing Laboratory  
 Kamajora, Raiganj, Uttar Dinajpur.

*[Signature]* 22/03/23  
**Assistant Engineer**  
 Raiganj Sub-Division  
 P.H.E. Dte.