

**TRADE WASTE AND EFFLUENTS RESEARCH UNIT (REGIONAL LAB)
PATIALA**

Room No. 301, 2nd Floor, Water Supply & Sanitation Department, Head Office, Nabha Road, Patiala
researchunitpatiala@yahoo.in

To,

Principal, Baba Banda Singh Bahadur Pub. Sr. Sec. School, Fatehpur, Samana

No.: TWERU/2526/01046 Dated : 27/03/2026

Subject : Testing Reports of Water Samples.

Reference: Your Letter/SRF No. 12026 Dated: 25/03/2026

As per above cited subject and reference, Please find enclosed here with the report of 1 Water sample/s received on dated 25/03/2026. It is request to fill the attached feedback form and send it back to Trade Waste and Effluents Research Unit (Regional Lab) Patiala

D/A : Test Report



**Authorized Signatory
For, Trade Waste and Effluents Research Unit
(Regional Lab) Patiala**

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TC-14242

TEST REPORT

Name & Address of Customer : Principal, Baba Banda Singh Bahadur Pub. Sr. Sec. School, Fatehpur, Samana				Customer Reference No.		No : 12026 Dated : 25/03/2026	
				Sample Submitted by		Joginder Singh	
				Date of Sample Receipt		25/03/2026	
				Analysis Starting Date		25/03/2026	
				Analysis completion Date		27/03/2026	
Discipline : Chemical Testing				Group: Water			
ULR No.:		TC142422600000097F		Sample Type :		Water	
Test Report No.:		TWERU/2526/01046		Date of Issue :		27/03/2026	
Registration no.:		TWERU/REG2526/07393		Condition of Sample :		Unsealed	
Collection Point:		Private Submersible		Quantity/Type of Bottle:		2000 ml / Plastic Bottles	
Scheme/Source:		Not Mentioned(Not Mentioned)		Location/Depth :		Submersible at Baba Banda Singh Bahadur Pub. Sr. Sec. School, Fatehpur / NA	
Village :		Fatehpur		Habitation :		Fatehpur	
Block:		Samana		District :		Patiala	
Latitude :		Not Mentioned		Longitude:		Not Mentioned	
Sr. No	Parameter	Result	As per IS-10500:2012 (2nd Rev.)		Unit	Reference Method :	
			Acceptable Limit	Permissible Limit			
1	pH	7.67	6.5-8.5	No Relaxation	--	IS 3025 (Part 11-2022) Electrometric Method	
2	TDS	280	500	2000	mg/l	IS 3025 (Part 16-2023) Gravimetric Method	
3	Turbidity	0.17	1	5	NTU	IS 3025 (Part 10-2023) Nephelometric Method	
4	T. Alkalinity(CaCO3)	168	200	600	mg/l	IS 3025 (Part 23-2023) Indicator Method	
5	T. Hardness(CaCO3)	212	200	600	mg/l	IS 3025 (Part 21- 2009)(RA 2023) EDTA Method	
6	Calcium(Ca)	46	75	200	mg/l	IS 3025 (Part 40-2024) EDTA Titrimetric Method	
7	Magnesium(Mg)	23	30	100	mg/l	APHA (24th Ed.2023) Method: 3500-Mg+2 B By Calculation Method	
8	Fluoride(F)	0.46	1.0	1.5	mg/l	APHA 24th Ed.2023, Method 4110	
9	Chloride(Cl)	9	250	1000	mg/l	APHA 24th Ed.2023, Method 4110	
10	Nitrate(NO3)	4	45	No Relaxation	mg/l	APHA 24th Ed.2023, Method 4110	
11	Sulphate(SO4)	42	200	400	mg/l	APHA 24th Ed.2023, Method 4110	
12	Iron	BDL(0.2)	1	No Relaxation	mg/l	APHA 3111-B (23rd Ed. 2017) by AAS	
13	Manganese	BDL(0.1)	0.1	0.3	mg/l	APHA 3111-B (23rd Ed. 2017) by AAS	

Continue on next page...

Reviewed and Approved By

Brij Bhushan

Sh. Brij Bhushan
Quality Manager
Authorized Signatory
For, Trade Waste and Effluents Research Unit
(Regional Lab) Patiala

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14	Zinc	BDL(0.2)	5	15	mg/l	APHA 3111-B (23rd Ed. 2017) by AAS
15	Arsenic(As)	BDL(0.005)	0.01	No Relaxation	mg/l	APHA 3114 (23rd Ed. 2017) by HVG-AAS
16	Residual Chlorine(RC)	BDL(0.17)	0.2	1	mg/l	IS-3025 (Part-26) by Iodometric Method

This Report is issued under the following terms & Condition :

1. The results apply to the sample as received only.
2. The sample will be destroyed after retention time unless otherwise specified specially.
3. This report is not to be reproduce wholly or in part and can't be used as evidence in court of law.
4. Abbreviation used (TDS = Total Dissolved Solids, mg/l = milligram per liter, BDL = Below detection limit, APHA = American Public Health Association, IS = Indian Standard, NT = Not Tested, NA = Not Applicable NTU = Nephelometric Turbidity Unit, RA = Reaffirmed, ND=Not Detected, T=Total)
5. * Value not available or test not performed for this parameter.
6. Temperature condition limit: $25 \pm 5^\circ\text{C}$ and Humidity condition limit: $50 \pm 20\%$

Reviewed and Approved By

Sh. Brij Bhushan
Quality Manager
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----- End of the Test Report -----