

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/2425/00198 Dated : 14/06/2024

Subject : Testing Reports of Water Samples.

Reference: Your Letter/SRF No. 01 Dated: 06/06/2024

As per above cited subject and reference, Please find enclosed here with the report of 1 Water sample/s received on dated 06/06/2024. 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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TEST REPORT

Name & Address of Customer : Principal, Baba Banda Singh Bahadur Pub. Sr. Sec. School, Fatehpur, Samana		Customer Reference No.	No : 01 Dated : 06/06/2024
		Sample Submitted by	9888913209
		Date of Sample Receipt	06/06/2024
		Analysis Starting Date	11/06/2024
		Analysis completion Date	13/06/2024
Discipline : Chemical Testing		Group: Water	
ULR No.:		Sample Type :	Water
Test Report No.:	TWERU/2425/00198	Date of Issue :	14/06/2024
Registration no.:	TWERU/REG2425/00968	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, Samana / 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	7.73	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	Alkalinity(CaCO ₃)	196	200	600	mg/l	IS 3025 (Part 23-2023) Indicator Method
5	Hardness(CaCO ₃)	208	200	600	mg/l	IS 3025 (Part 21- 2009)(RA 2019) EDTA Method
6	Calcium(Ca)	48	75	200	mg/l	IS 3025 (Part 40-1991) EDTA Titrimetric Method
7	Magnesium(Mg)	29	30	100	mg/l	APHA (24th Ed.2023) Method: 3500-Mg+2 B By Calculation Method
8	Fluoride(F)	0.50	1.0	1.5	mg/l	APHA 24th Ed.2023, Method 4110
9	Chloride(Cl)	6	250	1000	mg/l	APHA 24th Ed.2023, Method 4110
10	Nitrate(NO ₃)	4	45	No Relaxation	mg/l	APHA 24th Ed.2023, Method 4110
11	Sulphate(SO ₄)	45	200	400	mg/l	APHA 24th Ed.2023, Method 4110
12	Iron	BDL(0.2)	1	No Relaxation	mg/l	APHA 3111-B (24th Ed. 2023) by AAS
13	Manganese	BDL(0.1)	0.1	0.3	mg/l	APHA 3111-B (24th Ed. 2023) by AAS

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Reviewed and Approved By

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 (24th Ed. 2023) by AAS
15	Arsenic(As)	BDL(0.005)	0.01	No Relaxation	mg/l	APHA 3114 (24th Ed. 2023) by HVG-AAS
16	Residual Chlorine(RC)	BDL(0.3)	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)
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: $50 \pm 20\%$

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----- End of the Test Report -----