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,

Mata Gujri Sr. Sec. School,
Guthmara , Near Power Grid, Devigarh, Patiala.

No.: TWERU/2425/00427 Dated : 09/08/2024

Subject : Testing Reports of Water Samples.

Reference: Your Letter/SRF No. 1134 Dated: 29/07/2024

As per above cited subject and reference, Please find enclosed here with the report of 1 Water sample/s received on dated 29/08/2024. 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 : **Mata Gujri Sr. Sec. School, Guthmara , Near Power Grid, Devigarh, Patiala.**		Customer Reference No.	**No : 1134 Dated : 29/07/2024**
		Sample Submitted by	
		Date of Sample Receipt	**29/08/2024**
		Analysis Starting Date	**05/08/2024**
		Analysis completion Date	**08/08/2024**
Discipline : **Chemical Testing**		Group: **Water**	
ULR No.:		Sample Type :	**Water**
Test Report No.:	**TWERU/2425/00427**	Date of Issue :	**09/08/2024**
Registration no.:	**TWERU/REG2425/01874**	Condition of Sample :	**Unsealed**
Collection Point:	**Private Submersible**	Quantity/Type of Bottle:	**2000 ml / Plastic Bottles**
Scheme/Source:	**Not Mentioned(Not Mentioned)**	Location/Depth :	**Sumersible at Mata Gujri Sr. Sec. School, Depth-320ft, Guthmara, Bhunerheri, Patiala. / NA**
Village :	**Not Mentioned**	Habitation :	**Not Mentioned**
Block:	**Not Mentioned**	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	6.90	6.5-8.5	No Relaxation	--	IS 3025 (Part 11-2022) Electrometric Method
2	TDS	110	500	2000	mg/l	IS 3025 (Part 16-2023) Gravimetric Method
3	Turbidity	0.21	1	5	NTU	IS 3025 (Part 10-2023) Nephelometric Method
4	Alkalinity(CaCO3)	68	200	600	mg/l	IS 3025 (Part 23-2023) Indicator Method
5	Hardness(CaCO3)	56	200	600	mg/l	IS 3025 (Part 21- 2009)(RA 2019) EDTA Method
6	Calcium(Ca)	9	75	200	mg/l	IS 3025 (Part 40-1991) EDTA Titrimetric Method
7	Magnesium(Mg)	8	30	100	mg/l	APHA (24th Ed.2023) Method: 3500-Mg+2 B By Calculation Method
8	Fluoride(F)	0.10	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)	1	45	No Relaxation	mg/l	APHA 24th Ed.2023, Method 4110
11	Sulphate(SO4)	12	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

Sh. Brij Bhushan
Quality Manager
Authorized Signatory
For,Trade Waste and Effluents Research Unit
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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(0.3)	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 beused be 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±5°C and Humidity condition limit:50 ±20%

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