

# 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

No.: TWERU/2122/00059 Dated : 04/04/2022

Subject : Testing Reports of Water Samples.

Reference: Your Letter/SRF No. 159 Dated: 24/03/2022

As per above cited subject and reference, Please find enclosed here with the report of 1 Water sample/s received on dated 24/03/2022. 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**

# TRADE WASTE AND EFFLUENTS RESEARCH UNIT (REGIONAL LAB), PATIALA

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TEST REPORT						
Name & Address of Customer : <b>Principial</b>		Customer Reference No.		<b>No : 159 Dated : 24/03/2022</b>		
		Sample Submitted by				
		Date of Sample Receipt		<b>24/03/2022</b>		
		Analysis Starting Date		<b>31/03/2022</b>		
		Analysis completion Date		<b>04/04/2022</b>		
Discipline : <b>Chemical Testing</b>		Group: <b>Water</b>				
Test Report No.:	<b>TWERU/2122/00059</b>	Date of Issue :	<b>04/04/2022</b>			
Registration no.:	<b>TWERU/REG2122/00911</b>	Condition of Sample :	<b>Unsealed</b>			
Source :	<b>NA</b>	Quantity/Type of Bottle:	<b>1000 ml / Plastic Bottles</b>			
Scheme :	<b>NA</b>	Location/Depth :	<b>SSt Nagar , Patiala / NA</b>			
Village :	<b>NA</b>	Habitation :	<b>NA</b>			
Block:	<b>NA</b>	District :	<b>Patiala</b>			
Latitude :	<b>NA</b>	Longitude:	<b>NA</b>			
Sample Type: <b>Water</b>						
Sr. No	Parameter	Result	As per IS-10500:2012 (2nd Rev.)		Unit	Reference Method :
			Acceptable Limit	Permissible Limit		
1	pH	7.86	6.5-8.5	No Relaxation	--	IS 3025 (Part 11-1993 ) Electrometric Method
2	TDS	300	500	2000	mg/l	IS 3025 (Part 16-1984) Gravimetric Method
3	Turbidity	0.55	1	5	NTU	IS 3025 (Part 10-1984) Nephelometric Method
4	Alkalinity	164	200	600	mg/l	IS 3025 (Part 23-1986) Indicator Method
5	Hardness	96	200	600	mg/l	IS 3025 (Part 21- 2019) EDTA Method
6	Fluoride	0.38	1.0	1.5	mg/l	APHA 23rd Ed.2017, Method 4110
7	Chloride	26	250	1000	mg/l	APHA 23rd Ed.2017, Method 4110
8	Nitrate	4	45	No Relaxation	mg/l	APHA 23rd Ed.2017, Method 4110
9	Sulphate	39	200	400	mg/l	APHA 23rd Ed.2017, Method 4110
10	Calcium	13	75	200	mg/l	ISO 14911 By IC
11	Magnesium	12	30	100	mg/l	ISO 14911 By IC
12	Iron	BDL	1	No Relaxation	mg/l	APHA 3111-B (23rd Ed. 2017) by AAS
13	Manganese	BDL	0.1	0.3	mg/l	APHA 3111-B (23rd Ed. 2017) by AAS
14	Zinc	BDL	5	15	mg/l	APHA 3111-B (23rd Ed. 2017) by AAS
15	Arsenic	BDL	0.01	No Relaxation	mg/l	APHA 3114 (23rd Ed. 2017) by HVG-AAS
16	Residual Chlorine	BDL	0.2	1	mg/l	IS-3025 (Part-26) by Iodometric Method

This Report is issued under the following terms & Condition :

1. This report is referring only to the tested sample and for applicable parameter.
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)
5. \* Value not available or test not performed for this parameter.

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

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