

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

Room No. 301, 2nd Floor, Water Supply &amp; Sanitation Department, Head Office, Nabha Road, Patiala

researchunitpatiala@yahoo.in



TC-10288

**TEST REPORT**

Name & Address of Customer : Sub Divisional Engineer, Sunam W/S & Sanitation, Sunam.			Customer Reference No.		No : 553 Dated : 19/04/2023	
			Sample Submitted by			
			Date of Sample Receipt		20/04/2023	
			Analysis Starting Date		21/04/2023	
			Analysis completion Date		02/05/2023	
Discipline : <b>Chemical Testing</b>			Group: <b>Water</b>			
ULR No.:	TC102692300000108F		Sample Type :		Water	
Test Report No.:	TWERU/2324/00037		Date of Issue :		02/05/2023	
Registration no.:	TWERU/REG2324/00134		Condition of Sample :		Unsealed	
Collection Point:	Distribution Point(Near Bus stand,School,Gurudwara,etc)		Quantity/Type of Bottle:		2000 ml / Plastic Bottles	
Scheme/Source:	Not Mentioned(Not Mentioned)		Location/Depth :		Ro Water at Akal Academy, Ubhiia, sunam , Sangrur. / NA	
Village :	Not Mentioned		Habitation :		Not Mentioned	
Block:	Not Mentioned		District :		Sangrur	
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	7.77	6.5-8.5	No Relaxation	--	IS 3025 (Part 11-1993 ) Electrometric Method
2	TDS	140	500	2000	mg/l	IS 3025 (Part 16-1984) Gravimetric Method
3	Turbidity	0.16	1	5	NTU	IS 3025 (Part 10-1984) Nephelometric Method
4	Alkalinity	88	200	600	mg/l	IS 3025 (Part 23-1986) Indicator Method
5	Hardness	68	200	600	mg/l	IS 3025 (Part 21- 2019) EDTA Method
6	Fluoride	0.44	1.0	1.5	mg/l	APHA 23rd Ed.2017, Method 4110
7	Chloride	15	250	1000	mg/l	APHA 23rd Ed.2017, Method 4110
8	Nitrate	5	45	No Relaxation	mg/l	APHA 23rd Ed.2017, Method 4110
9	Sulphate	20	200	400	mg/l	APHA 23rd Ed.2017, Method 4110
10	Calcium	12	75	200	mg/l	ISO 14911 By IC
11	Magnesium	1	30	100	mg/l	ISO 14911 By IC

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Sh. Brij Bhushan  
Quality Manager  
Authorized Signatory  
For, Trade Waste and Effluents Research Unit  
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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. 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 reproduced wholly or in part and can't be used as an 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, S = 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