

To

The Principal,
Akai Academy,
Fatehgarh Chhanna.

No. 847

Dated:- 17/9/25

Sub:- Regarding Test Report of Water Sample.

Ref:- Your Office letter No. AAFGC/442/2025 dated 29.08.2025.

Sir/Madam,

With reference to the subject cited above, it is intimated that the water sample submitted by your school has been tested by the Trade Waste and Effluents Research Unit (Regional Lab), Patiala.

The Quality Parameters of the water sample are within permissible limits as per the reports received from the Quality Manager. The water sample test report is attached with this letter for your kind reference and necessary action please.

Encl: Water Sample Test Reports



Sub Divisional Engineer,
Water Supply and Sanitation Sub Division,
Samana.



Principal
Akai Academy
Fatehgarh Chhanna, P.O. G. Jewa
Tehsil Samana Distt. Patiala
CBSE Aff. No. 1630303



Manager
Akai Academy
Fatehgarh Chhanna
Manager

**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,

Akal Academy, Fatehgarh Chhanna,
P.O Gajewas, Tehsil Samana, Patiala.

No.: TWERU/2526/00439 Dated : 22/08/2025

Subject : Testing Reports of Water Samples.

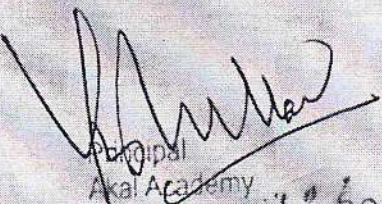
Reference: Your Letter/SRF No. 444 Dated: 20/08/2025

As per above cited subject and reference, Please find enclosed here with the report of 1 Water sample/s received on dated 20/08/2025. 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



Principal
Akal Academy
Fatehgarh Chhanna, P.O. Gajewa
Tehsil Samana Distt. Patiala
GSE No. 1630303
Principal



Manager
Akal Academy
Fatehgarh Chhanna
Manager

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Room No. 301, 2nd Floor, Water Supply & Sanitation Department, Head Office, Nabha Road, Patiala
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TC-14242

TEST REPORT

Name & Address of Customer : Akal Academy, Fatehgarh Chhanna, P.O Gajewas, Tehsil Samana, Patiala.			Customer Reference No.		No : 444 Dated : 20/08/2025	
			Sample Submitted by			
			Date of Sample Receipt		20/08/2025	
			Analysis Starting Date		20/08/2025	
			Analysis completion Date		22/08/2025	
Discipline : Chemical Testing			Group: Water			
ULR No.:	TC142422500000384F		Sample Type :		Water	
Test Report No.:	TWERU/2526/00439		Date of Issue :		22/08/2025	
Registration no.:	TWERU/REG2526/03217		Condition of Sample :		Unsealed	
Collection Point:	Treatment Plant (RO/CWPP/ARP/HH Purifier)		Quantity/Type of Bottle:		2000 ml / Plastic Bottles	
Scheme/Source:	Not Mentioned(Not Mentioned)		Location/Depth :		Ro at Akal Academy, Fatehgarh Chhanna, P.O Gajewas, Tehsil Samana, Patiala. / NA	
Village :	Fatehgarh Chhanna		Habitation :		Fatehgarh Chhanna	
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	7.55	6.5-8.5	No Relaxation	-	IS 3025 (Part 11-2022) Electrometric Method
2	TDS	120	500	2000	mg/l	IS 3025 (Part 16-2023) Gravimetric Method
3	Turbidity	0.30	1	5	NTU	IS 3025 (Part 10-2023) Nephelometric Method
4	Alkalinity(CaCO3)	80	200	600	mg/l	IS 3025 (Part 23-2023) Indicator Method
5	Hardness(CaCO3)	64	200	600	mg/l	IS 3025 (Part 21- 2009)(RA 2023) EDTA Method
6	Calcium(Ca)	10	75	200	mg/l	IS 3025 (Part 40-2024) EDTA Titrimetric Method
7	Magnesium(Mg)	10	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)	14	250	1000	mg/l	APHA 24th Ed.2023, Method 4110
10	Nitrate(NO3)	5	45	No Relaxation	mg/l	APHA 24th Ed.2023, Method 4110
11	Sulphate(SO4)	13	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

Bhushan

Sh. Brij Bhushan
Quality Manager

Authorized Signatory

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

[Signature]
Principal
Akal Academy
Fatehgarh Chhanna, P.O. Gajewas
Tehsil Samana Distt. Patiala
Principal No. 1630303

[Signature]
Manager
Akal Academy
Fatehgarh Chhanna
Manager

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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)	0.35	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 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%

Reviewed and Approved By

Bhushan

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

End of the Test Report

[Signature]
Principal
Akai Academy
Fatehgarh Chhanna, P.O. C. Jawa
Tehsil Samana Distt. Patiala
CBSE Aff. No. 1630303

[Signature]
Manager
Akai Academy
Fatehgarh Chhanna
Manager