

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, Ranno
Village - Ranno, P.O - Bhadson, Tehsil- Nabha, Patiala.

No.: TWERU/2526/00023 Dated: 21/04/2025

Subject: Testing Reports of Water Samples.

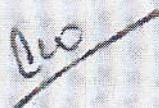
Reference: Your Letter/SRF No. 04 Dated: 07/04/2025

As per above cited subject and reference, Please find enclosed here with the report of 1 Water sample/s received on dated 07/04/2025. It is request to fill the attached feedback form and send it back to Trade Waste and Effluents Research Unit (Regional Lab), Patiala

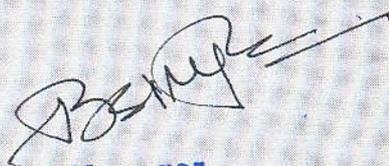
D/A: Test Report



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



M. Admistress
Akal Academy, Ranno
Bhadson (Distt. Patiala)



Manager
Akal Academy

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TC-14242

TEST REPORT

Name & Address of Customer : Akal Academy, Ranno Village - Ranno, P.O - Bhadson, Tehsil- Nabha, Patiala.		Customer Reference No. No : 04 Dated : 07/04/2025
		Sample Submitted by
		Date of Sample Receipt 07/04/2025
		Analysis Starting Date 09/04/2025
		Analysis completion Date 12/04/2025
Discipline : Chemical Testing		Group: Water
ULR No.:	TC142422500000139F	Sample Type : Water
Test Report No.:	TWERU/2526/00023	Date of Issue : 21/04/2025
Registration no.:	TWERU/REG2526/00149	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 Ranno, Village- Ranno, P.O Bhadson, Tehsil- Nabha, District- 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	6.62	6.5-8.5	No Relaxation		IS 3025 (Part 11-2022) Electrometric Method
2	TDS	90	500	2000	mg/l	IS 3025 (Part 16-2023) Gravimetric Method
3	Turbidity	0.47	1	5	NTU	IS 3025 (Part 10-2023) Nephelometric Method
4	Alkalinity(CaCO3)	52	200	600	mg/l	IS 3025 (Part 23-2023) Indicator Method
5	Hardness(CaCO3)	46	200	600	mg/l	IS 3025 (Part 21-2009)(RA 2023) EDTA Method
6	Calcium(Ca)	7	75	200	mg/l	IS 3025 (Part 40-2024) EDTA Titrimetric Method
7	Magnesium(Mg)	7	30	100	mg/l	APHA (24th Ed.2023) Method: 3500-Mg+2 B By Calculation Method
8	Fluoride(F)	0.15	1.0	1.5	mg/l	APHA 24th Ed.2023, Method 4110
9	Chloride(Cl)	5	250	1000	mg/l	APHA 24th Ed.2023, Method 4110
10	Nitrate(NO3)	3	45	No Relaxation	mg/l	APHA 24th Ed.2023, Method 4110
11	Sulphate(SO4)	4	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

Brij Bhushan

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

Admission
Akali Academy, Ranno
Bhadson (Dist. Patiala)

Brij Bhushan
Manager
Akali Academy

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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-AA3
16	Residual Chlorine(RC)	BDL(0.17)	0.2	1	mg/l	IS-3036 (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±5°C and Humidity condition limit:50 ±20%

Reviewed and Approved By

Brij Bhushan

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

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

AW

Pradmistress
Akal Academy, Ranno
Ghadson (Distt. Patiala)

Brij Bhushan
**Manager
Akal Academy**

SAFE DRINKING WATER & SANITARY CONDITIONS
CERTIFICATE

No. 24/c

Dated: 28/9/25

It is certified that an inspection team headed by Sr. Simranpreet Singh (A.E.) (Name of Officers with designation) from Water Supply & Sanitation, Nabha Road, Patiala (Name of Department/Office) inspected the Akal Academy Ranno, Village: Ranno, Post Office: Jindalpur, Tehsil: Nabha, District: Patiala (Name & Address of the school) on 20.05.2025 (Date of Inspection) and found that the Akal Academy Ranno (Name of School) has safe drinking water facilities for the students and members of staff of the institution and is maintaining the hygienic sanitation condition in the school building & the campus as per norms prescribed by the Central/ State/ U.I. Govt.
The above is valid for a period of 1 Year from the date of Issuance.

Signature with Seal: 

Name : ..S. Simranpreet Singh..

Designation : ..Sub-Divisional Engineer

Name of the Office: ..W/S. A. Sanitation Dept. Patiala

Note: The certificate is to be issued by authorized officer / PHED Lab / local bodies

AW

Headmistress
Akal Academy, Ranno
Ghadson (Distt. Patiala)



**Manager
Akal Academy**