


**CERTIFICATE REGARDING SAFE DRINKING WATER & SANITARY CONDITION**

Dispatch No : 888

Date : 05.05.2025

Certified that an inspection team headed by Guriqbal Singh SDE & Garima JE from W/S & Sanitation Sub Division, Sunam inspected Akal Academy, Ratolan, Distt Sangrur on 21.04.2025 and found that Akal Academy, Ratolan has safe drinking water facilities for the students and members of the institution as per the norms and reports. This certificate is valid upto 31-03-2026.

  
Sub Divisional Engineer  
W/S and Sanitation Sub Div  
Sunam

# REGIONAL ADVANCE WATER TESTING LABORATORY, PHASE 2- SAS NAGAR

Water Works Complex, Phase- 2 , S.A.S NAGAR , Punjab  
rawtlmohali@gmail.com



TC-13027

TEST REPORT						
Name & Address of Customer : Sub Divisional Engineer, W/S & Sanitation Sub Division, Sunam Udham Singh Wala			Customer Reference No.		No : 849 Dated : 22/04/2025	
			Sample Submitted by		Mr. Sukhdev Singh	
			Date of Sample Receipt		23/04/2025	
			Analysis Starting Date		24/04/2025	
			Analysis completion Date		25/04/2025	
Discipline : Chemical Testing			Group: Water			
ULR No.:		TC130272500000376F		Sample Type :		Water
Test Report No.:		RAWTL/2526/00070		Date of Issue :		28/04/2025
Registration no.:		RAWTL/REG2526/00270		Condition of Sample :		Unsealed
Collection Point:		NA		Quantity/Type of Bottle:		500 ml / HDPE Bottle
Scheme/Source:		Not Mentioned(Not Mentioned)		Location/Depth :		R.O Treated Water, (Akal Academy, Ratolan) / NA
Village :		Not Mentioned		Habitation :		Not Mentioned
Block:		Dirba		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	Aluminium(Al)	BDL(0.010)	0.03	0.2	mg/l	APHA (24th Ed.2023) Method: 3125 B By ICPMS
2	Lead	BDL(0.005)	0.01	No Relaxation	mg/l	APHA (24th Ed.2023) Method: 3125 B By ICPMS
3	Selenium	BDL(0.005)	0.01	No Relaxation	mg/l	APHA (24th Ed.2023) Method: 3125 B By ICPMS
4	Chromium(Cr)	BDL(0.005)	0.05	No Relaxation	mg/l	APHA (24th Ed.2023) Method: 3125 B By ICPMS
5	Mercury	BDL(0.0005)	0.001	No Relaxation	mg/l	APHA (24th Ed.2023) Method: 3125 B By ICPMS
6	Arsenic(As)	BDL(0.005)	0.01	No relaxation	mg/l	APHA (24th Ed.2023) Method: 3125 B By ICPMS
7	Cadmium(Cd)	BDL(0.001)	0.003	No Relaxation	mg/l	APHA (24th Ed.2023) Method: 3125 B By ICPMS
8	Nickel	BDL(0.005)	0.02	No Relaxation	mg/l	APHA (24th Ed.2023) Method: 3125 B By ICPMS
9	Iron(Fe)	BDL(0.005)	1	No Relaxation	mg/l	APHA (24th Ed.2023) Method: 3125 B By ICPMS
10	Copper(Cu)	BDL(0.010)	0.05	1.5	mg/l	APHA (24th Ed.2023) Method: 3125 B By ICPMS
11	Uranium	BDL(5)	30	No Relaxation	µg/l	APHA (24th Ed.2023) Method: 3125 B By ICPMS

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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

*Satinder Singh*

Mr. Satyender Singh  
Sr. Chemist  
Authorized Signatory  
For,Regional Advance Water Testing Laboratory  
Phase 2- SAS Nagar

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



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**REGIONAL WATER TESTING LAB, SANGRUR**  
Prem Basti, D. C Office Road, Opposite to Punjab Gramin Bank, Sangrur  
rwtlsangrur@gmail.com



TC-12990

**TEST REPORT**

Name & Address of Customer : Sub Division Engineer Sub Division Engineer Water Supply and Sanitation Sub Division, Sunam			Customer Reference No.		No : 814 Dated : 21/04/2025	
			Sample Submitted by			
			Date of Sample Receipt		23/04/2025	
			Analysis Starting Date		23/04/2025	
			Analysis completion Date		26/04/2025	
Discipline : Chemical Testing			Group: Water			
ULR No.:		TC129902500000233F	Sample Type :		Treated Water	
Test Report No.:		RWTL/SNG/2526/00046	Date of Issue :		03/05/2025	
Registration no.:		RWTL/SNG/REG2526/00093	Condition of Sample :		Unsealed	
Collection Point:		Treatment Plant (RO/CWPP/ARP/HH Purifier)	Quantity/Type of Bottle:		1000 ml / Plastic Bottles	
Scheme/Source:		Not Mentioned(Not Mentioned)	Location/Depth :		AKAL ACADEMY RATOLAN / 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	7.98	6.5-8.5	No Relaxation	--	IS 3025 (Part 11-2022) Electrometric Method
2	Colour	2	5	15	CU	IS 3025(Part 4-2021) Visual Comparison Method
3	Odour	Agreeable	Agreeable	Agreeable	--	IS 3025 (Part 5 – 2018) (Second Revision)
4	TDS	108	500	2000	mg/l	IS 3025 (Part 16-2023) Gravimetric Method
5	Turbidity	0.83	1	5	NTU	IS 3025 (Part 10-2023) Nephelometric Method
6	Alkalinity(CaCO3)	80	200	600	mg/l	IS 3025 (Part 23-2023) Indicator Method
7	Hardness(CaCO3)	60	200	600	mg/l	IS 3025 (Part 21- 2009)(RA 2023) EDTA Method
8	Calcium(Ca)	14	75	200	mg/l	IS 3025 (Part 40-2024) EDTA Titrimetric Method
9	Magnesium(Mg)	6	30	100	mg/l	APHA (24th Ed.2023) Method: 3500-Mg+2 B By Calculation Method
10	Chloride(Cl)	14	250	1000	mg/l	IS 3025 (Part 32-1988) Argentometric Method

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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

*Ramesh Jhorar*  
Dr. Ramesh Jhorar  
Quality Manager  
Authorized Signatory  
For,Regional Water Testing Lab  
Sangrur

End of the Test Report



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**REGIONAL WATER TESTING LAB, SANGRUR**  
Prem Basti, D. C Office Road, Opposite to Punjab Gramin Bank, Sangrur  
rwtsangrur@gmail.com

**TEST REPORT**

Name & Address of Customer : Sub Division Engineer Sub Division Engineer Water Supply and Sanitation Sub Division, Sunam			Customer Reference No.		No : 814 Dated : 21/04/2025	
			Sample Submitted by			
			Date of Sample Receipt		23/04/2025	
			Analysis Starting Date		23/04/2025	
			Analysis completion Date		26/04/2025	
Discipline : Chemical Testing, Bacteriological Testing			Group: Water			
ULR No.:				Sample Type :		Treated Water
Test Report No.:		RWTL/SNG/2526/00046		Date of Issue :		03/05/2025
Registration no.:		RWTL/SNG/REG2526/00093		Condition of Sample :		Unsealed
Collection Point:		Treatment Plant (RO/CWPP/ARP/HH Purifier)		Quantity/Type of Bottle:		1000 ml / Plastic Bottles
Scheme/Source:		Not Mentioned(Not Mentioned)		Location/Depth :		AKAL ACADEMY RATOLAN / 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	Taste	NT	Agreeable	Agreeable	--	IS 3025 (Part 8 – 2023)
2	Iron(Fe)	BDL	1.0	No Relaxation	mg/l	Spectrophotometric Method
3	Sulphate(SO4)	BDL	200	400	mg/l	Spectrophotometric Method
4	Fluoride(F)	BDL(0.05)	1.0	1.5	mg/l	APHA 4500 F-(23rd Ed. 2017)/IS-3025 (Part-60)
5	Nitrate(NO3)	BDL(0.5)	45	No Relaxation	mg/l	Spectrophotometric Method/ APHA 4500 NO3-(23rd Ed. 2017)
6	Arsenic(As)	BDL(0.005)	0.01	No relaxation	mg/l	Spectrophotometric Method/ Colorimetric Method
7	Total Coliform(TC)	ND	Shall not be detectable in any 100 ml sample	No relaxation	MPN/100 ml.	IS-1622 MPN Method
8	E-Coli	ND	Shall not be detectable in any 100 ml sample	No relaxation	MPN/100 ml.	IS-1622 MPN Method

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Reviewed and Approved By

*Ramesh Jhorar*

Dr. Ramesh Jhorar  
Quality Manager  
Authorized Signatory  
For, Regional Water Testing Lab  
Sangrur

End of the Test Report

