

# Sub Divisional Engineer, Water Supply and Sanitation, Sub Division Rajpura

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No. 326

Date 21/05/2020

## Certificate of Sanitary & Water Condition

As per Request Letter from school authority for issuing Certificate of Sanitary of water condition of Akal Academy, Manouli Surat, PO Naggal Charbar. This is to certify that undersigned inspected the premises of Akal Academy, Village-Manouli Surat, PO Naggal Charbar, Distt. S.A.S.Nagar. On inspection, there are sufficient Number of school Toilets (Boys/Girls Students & Ladies/Gents Staff). Toilets are well ventilated, neat and clean. Sanitary conditions are good, Bathrooms are found clean and good for use of Student and Staff. Water Sample report from Regional Advance Water Testing Laboratory, DWSS Mohali vide letter No. 1867 dated 26.12.2019 is attached with this certificate. This certificate is Valid from 21.05.2020 to 30.04.2021.

  
Sub Divisional Engineer  
W./S. & Sanitation  
Sub. Divn. Rajpura

O/o Quality Manager-cum- Director (Water Quality),  
Regional Advance Water Testing Laboratory, DWSS  
Phase-2, SAS Nagar, Punjab

Tel: 0172-4330340 (O)  
Email: rawtlmohali@gmail.com

To

Headmistress,  
Akal Academy, Manouli Surat,  
Distt. SAS Nagar.

No. 1367

Date: 26-12-2019

Subject :- Revised: Test Reports of water samples.

Please find the enclosed here with the report no. *RAWTL/12825/1307*  
dated *26.12.19*..... samples received on 12.12.2019. You are requested to fill the  
attached feedback form and send it to Regional Advance Water Testing Laboratory,  
Phase 2, SAS Nagar, Mchali

D/A Test Report

  
Quality Manager-cum-Director (WQ)  
RAWTL, DWSS, Punjab

ULR- TC638819000000294F

ID No. RAWTL/13825/307

Dated 26/12/2019

Sample Registration No. : RAWTL/13825/  
 Sample code given by customer : Not Applicable

**Test Results  
 Chemical Testing**

**Radioactive Elements (Residues in Water)**

| Sr. No | Parameter                   | WHO limit (ppb) | AERB limit (ppb) | Method Detection Limit (MDL) (ppb) | Result                   | Standard / Specification / Method Followed |
|--------|-----------------------------|-----------------|------------------|------------------------------------|--------------------------|--|
| 1.     | Uranium (U <sup>238</sup> ) | 30              | 60               | 5                                  | As per Annexure Attached | APHA-3125B - By ICPMS                      |

**Heavy Metals (As per IS 10500 : 2012) (Residues in Water)**

| Sr. No. | Parameter     | Acceptable limit mg/l | Permissible Limit mg/l | Method Detection Limit (MDL) (mg/l) | Result                   | Standard / Specification / Method Followed |
|---------|---------------|-----------------------|------------------------|-------------------------------------|--------------------------|--|
| 1       | Aluminum (Al) | 0.03                  | 0.2                    | 0.01                                | As per Annexure Attached | APHA-3125B - By ICPMS                      |
| 2       | Chromium (Cr) | 0.05                  | No relaxation          | 0.005                               |                          |  |
| 3       | Iron (Fe)     | 1.0                   | No relaxation          | 0.01                                |                          |  |
| 4       | Nickel (Ni)   | 0.02                  | No relaxation          | 0.005                               |                          |  |
| 5       | Mercury (Hg)  | 0.001                 | No relaxation          | 0.0005                              |                          |  |
| 6       | Arsenic (As)  | 0.01                  | No relaxation          | 0.005                               |                          |  |
| 7       | Selenium (Se) | 0.01                  | No relaxation          | 0.005                               |                          |  |
| 8       | Cadmium (Cd)  | 0.003                 | No relaxation          | 0.001                               |                          |  |
| 9       | Lead (Pb)     | 0.01                  | No relaxation          | 0.005                               |                          |  |
| 10      | Copper (Cu)   | 0.05                  | 1.5                    | 0.01                                |                          |  |

**Anions (Water)**

| Sr. No. | Parameter                   | Acceptable limit mg/l | Permissible Limit mg/l | Method Detection Limit (MDL) (mg/l) | Result                   | Standard / Specification / Method Followed |
|---------|-----------------------------|-----------------------|------------------------|-------------------------------------|--------------------------|--|
| 1.      | Fluoride (F)                | 1.0                   | 1.5                    | 0.1                                 | As per Annexure Attached | APHA-4180 - By IC                          |
| 2.      | Chloride (Cl)               | 250                   | 1000                   | 0.5                                 |                          |  |
| 3.      | Nitrate (NO <sub>3</sub> )  | 45                    | No relaxation          | 0.5                                 |                          |  |
| 4.      | Sulphate (SO <sub>4</sub> ) | 200                   | 400                    | 0.5                                 |                          |  |

**Cations (Water)**

|    |                |    |     |     |                          |           |
|----|----------------|----|-----|-----|--------------------------|-----------|
| 1. | Calcium (Ca)   | 75 | 200 | 2.0 | As per Annexure Attached | ISO 14911 |
| 2. | Magnesium (Mg) | 30 | 100 | 1.0 |                          |           |

Note 1: ppb: parts per billion mg/l: milligram per litre MDL - method detection limit

APHA: American Public Health Association BDL- Below Detection Limit

Note 2: The parameters marked with an \* are not accredited by NABL

*[Signature]*  
 Deputy Quality Manager

*[Signature]*  
 Authorized Signatory

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Regional Advance Water Testing Laboratory (RAWTL)  
Phase- 2, SAS Nagar

ULR-TC638819000000294F

ID No. RAWTL/13825/ 1007

Dated 26 /12/2019

TEST REPORT  
Chemical Testing

| Sr. No | Group             | Sample Tested in Group (✓) |
|--------|-------------------|----------------------------|
| 1.     | Residues in Water | ✓                          |
| 2.     | Water             | ✓                          |

Sample Registration No. : RAWTL/13825/  
Sample code given by customer : Not Applicable

Issued to : - Headmistress, Akal Acedemy,  
Manoli Surat, Distt. SAS Nagar.

SAMPLE PARTICULARS

Ref. Letter No. : Letter Dated: 10.12.2019  
Date of Receipt : As per Annexure 1 attached  
Sample code given by customer : Not Applicable  
Name / Nature of sample : Water  
Condition of the sample : Un-Sealed samples  
Qty/Pkg : 500 ml Amber Colored Glass Bottle  
Sampling Method : Sample not drawn by RAWTL  
Test Start Date : 10.12.2019  
Test Completion Date : 24.12.2019

  
Er. Veenaakshi Sharma  
(Director (WQ)-cum-Quality Manager)  
Authorized Signatory  
For Regional Advance Water Testing Laboratory

Note:

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The enclosed results pertain only to the sample tested.  
The report shall not be used for advertising or any legal purpose without written permission from the Head, DWSS.  
This report cannot be re-produced, except when in full, without the written permission from the Head, DWSS.  
The sample shall be destroyed after one month from the date of issue of the report.

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