

Safe Drinking Water and Sanitary Condition Certificate

No/hygienic/24/173

Dated: 4/12/24

It is certified that an inspection team headed by Dr. Dinesh Kumar Mo (Name of Officers with Designation) from Health Department, Distt Kaithal (Name of Department/Office) inspected the Akal Academy School Bhusla (K+H) has safe drinking water facilities for the students and members of staff of the institutions and is maintaining the **Hygienic & Sanitation** conditions in the school building and the campus as per the norms prescribed by the Central/State Government/U.T. Govt.

The above is valid for a period of One year.

Dinesh
Medical Officer
Civil Hospital
Signature with Seal

To

Principal
Akal Academy School
Bhusla

04.12.24
Dy. Civil Surgeon
O/o Civil Surgeon
KAITHAL

Memo No:- 359

Date:- 07/03/2024

Subject : Physical / Chemical Examination Report of Water Sample

| | | |
|---|-----------------------|------------------------|
| Sample ID/Classification : KTL/04732/3/2024 / Private | Sample Details | Date & Time |
| Sender : Akal Academy bhunsla10596 | Collected By | Akal Academy bhunsla |
| Location : , village bhunsla tehsil guhla cheeka district kai | Collection Date | 03/03/2024 at 10:25 |
| Sample Description : Drinking Water | Received at lab | 03/03/2024 at 13:26 |
| Latitude / Longitude : 76.449109 / 30.098600 | Analysis Start Date | 03/03/2024 |
| | Analysis End Date | 04/03/2024 |
| | Sample Quantity | 1000 ml |

Test Result (As Per BIS 10500 :2012)

| S.No. | Tested Parameter | Result | Requirement (Acceptable Limit) | Permissible Limit (In the Absence of Alternate Source) | Protocol Used |
|-------|---|-----------|-----------------------------------|---|-----------------------------------|
| 1 | Total Dissolved Solids @ 180°C ± 2°C | 181 | 500 mg/lit. | 2000 mg/lit. | APHA2540 C; 2017 |
| 2 | Total Hardness as CaCO ₃ | 130 | 200 mg/lit. | 600 mg/lit. | APHA2340 C; 2017 |
| 3 | Calcium as Ca | 24.04 | 75 mg/lit. | 200 mg/lit. | APHA3500-Ca B; 2017 |
| 4 | Magnesium as Mg | 17.01 | 30 mg/lit. | 100 mg/lit. | APHA3500 Mg B; 2017 |
| 5 | Iron as Fe | 0.00 | 1.0 mg/lit. | 1.0 mg/lit. | APHA3500-Fe B; 2017 |
| 6 | Chloride as Cl | 94.70 | 250 mg/lit. | 1000 mg/lit. | APHA4500 Cl-B; 2017 |
| 7 | Sulphate as So ₄ | 1 | 200 mg/lit. | 400 mg/lit. | APHA4500-So ₄ -E |
| 8 | Fluoride as F | <0.02 | 1.0 mg/lit. | 1.5 mg/lit. | APHA 4500-F--C |
| 9 | Nitrate as No ₃ | 1.01 | 45 mg/lit. | 45 mg/lit. | APHA 4500-NO ₃ - D |
| 10 | pH @ 25°C | 6.80 | 6.5 - 8.5 | 6.5 - 8.5 | APHA4500-H+ B; 2017 |
| 11 | Total Alkalinity | 40.00 | 200 mg/lit. | 600 mg/lit. | APHA 2320 B; 2017 |
| 12 | Color | 1 | 5 Hazen Units | 15 Hazen Units | APHA 2120-B |
| 13 | Odour | Agreeable | Agreeable | Agreeable | IS 3025 (Part-5) : 1984 (RA 2018) |
| 14 | Taste | Agreeable | Agreeable | Agreeable | IS 3025 (Part-8) : 1984 (RA 2017) |
| 15 | Turbidity | 0.22 | 1 NTU | 5 NTU | APHA2130 B; 2017 |

Remarks :-

- * The Results Given above are related to the sample as received and tested in PHED KAITHAL Lab.
- * The test report can't be regenerated in whole or part there of without written permission of Competent Authority.
- * The test report can't be used for any publicity or any legal purpose.
- * Reliability of water sample sample lies with sender/collector of water sample.
- * To check the sample report online Scan the QR Code below.
- * The test samples meant for chemical analysis will be disposed off after 15 days from the data of issue of test report unless until specifically requested by the customer for retaining over a longer period.

Water Sample has been found "**CONFORMING**" to Limits set in BIS10500:2012 for the tested parameters.
Based on the tested parameters,the water sample is found "**POTABLE**"

-----END OF TEST REPORT-----