

# PUBLIC HEALTH ENGINEERING DEPARTMENT

## DISTRICT WATER TESTING LABORATORY, HISAR

Website :- <https://phedharyana.gov.in/>

Memo No:- 1602

Date:- 13/06/2025

Subject : Physical / Chemical Examination Report of Water Sample

HC 445

|                                                       |                     |                     |
|-------------------------------------------------------|---------------------|---------------------|
| Sample ID/Classification : HSR/03360/6/2025 / Private | Sample Details      | Date & Time         |
| Sender : british international school                 | Collected By        | Mr. Anil            |
| Location : , Hansi Road Barwala (Hisar)               | Collection Date     | 10/06/2025 at 14:07 |
| Sample Description : Drinking Water                   | Received at lab     | 10/06/2025 at 14:51 |
| Latitude / Longitude : 75.913843 / 29.328611          | Analysis Start Date | 10/06/2025          |
|                                                       | Analysis End Date   | 13/06/2025          |
|                                                       | Sample Quantity     | 2 Ltr.              |

### Test Result (As Per BIS 10500 :2012)

| S.No. | Tested Parameter                     | Result    | Requirement<br>(Acceptable Limit) | Permissible Lmt.<br>(In the Absence of Alternate Source) | Protocol Used                              |
|-------|--------------------------------------|-----------|-----------------------------------|----------------------------------------------------------|--------------------------------------------|
| 1     | Turbidity                            | 0.27      | 1 NTU                             | 5 NTU                                                    | APHA 24th Edition -2130 B                  |
| 2     | Taste                                | Agreeable | Agreeable                         | Agreeable                                                | IS 3025 (Part-8) : 2023                    |
| 3     | Odour                                | Agreeable | Agreeable                         | Agreeable                                                | IS 3025 (Part-5) : 2018                    |
| 4     | Color                                | 5         | 5 Hazen Units                     | 15 Hazen Units                                           | APHA 24th Edition -2120-B                  |
| 5     | Total Dissolved Solids @ 180°C ± 2°C | 281       | 500 mg/lit.                       | 2000 mg/lit.                                             | APHA 24th Edition -2540 C                  |
| 6     | Total Hardness as CaCO <sub>3</sub>  | 115.6     | 200 mg/lit.                       | 600 mg/lit.                                              | APHA 24th Edition -2340 C                  |
| 7     | Calcium as Ca                        | 30.94     | 75 mg/lit.                        | 200 mg/lit.                                              | APHA 24th Edition-3500-Ca B                |
| 8     | Magnesium as Mg                      | 9.33      | 30 mg/lit.                        | 100 mg/lit.                                              | APHA 24th Edition -3500 Mg B               |
| 9     | Total Alkalinity                     | 102.4     | 200 mg/lit.                       | 600 mg/lit.                                              | APHA 24th Edition -2320 B                  |
| 10    | Chloride as Cl                       | 34.03     | 250 mg/lit.                       | 1000 mg/lit.                                             | APHA 24th Edition -4500 Cl-B               |
| 11    | Sulphate as So <sub>4</sub>          | 43        | 200 mg/lit.                       | 400 mg/lit.                                              | USEPA / APHA 24th -4500 SO <sub>4</sub> -E |
| 12    | Fluoride as F                        | 0.219     | 1.0 mg/lit.                       | 1.5 mg/lit.                                              | APHA 24th Edition-4500F C                  |
| 13    | Iron as Fe                           | 0.01      | 1.0 mg/lit.                       | 1.0 mg/lit.                                              | USEPA / APHA 24th Edition - 3500 Fe-B      |
| 14    | Nitrate as No <sub>3</sub>           | 0.6       | 45 mg/lit.                        | 45 mg/lit.                                               | APHA 24th Edition -4500 NO <sub>3</sub> D  |
| 15    | pH @ 25°C                            | 7.13      | 6.5 - 8.5                         | 6.5 - 8.5                                                | APHA 24th Edition 4500-H+ B                |

#### Remarks :-

- \* The Results Given above are related to the sample as received and tested in PHED HISAR 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 7 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.



Sample analyzed by :

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