

Memorandum No. - 2234

Date: - 02/05/2025

Certificate  
No TC-13659

Subject: Physical & Chemical Examination Report of Water Sample

| Sample Identification: HSL-02299/5/2025 / Private |                                             | Sample Details      |                                | Date & Time                                           |                                   |
|---------------------------------------------------|---------------------------------------------|---------------------|--------------------------------|-------------------------------------------------------|-----------------------------------|
| Sender: Municipal Doon Valley Signature School    |                                             | Collected By        |                                | Doon Valley                                           |                                   |
| Location: Sec-17, Outside Jundla Gate, KAN        |                                             | Collection Date     |                                | 01/05/2025 at 10:41                                   |                                   |
| Sample Description: Drinking Water                |                                             | Received at lab     |                                | 01/05/2025 at 10:43                                   |                                   |
| Latitude / Longitude: 71.590889 / 29.689798       |                                             | Analysis Start Date |                                | 01/05/2025                                            |                                   |
|                                                   |                                             | Analysis End Date   |                                | 02/05/2025                                            |                                   |
|                                                   |                                             | Sample Quantity     |                                | 1000ML                                                |                                   |
| Test Result (As Per BIS 10500 :2012)              |                                             |                     |                                |                                                       |                                   |
| S.No.                                             | Tested Parameter                            | Result              | Requirement (Acceptable Limit) | Permissible Lmt. (In the Absence of Alternate Source) | Protocol Used                     |
| 1                                                 | Acidity                                     | <1                  | 1 NTU                          | 5 NTU                                                 | IS 3025 (Part-10):1984 (RA 2022)  |
| 2                                                 | Taste                                       | Agreeable           | Agreeable                      | Agreeable                                             | IS 3025 (Part-8):1984 (RA 2022)   |
| 3                                                 | Odour                                       | Agreeable           | Agreeable                      | Agreeable                                             | IS 3025 (Part-5):1994 (RA 2018)   |
| 4                                                 | Color                                       | <5                  | 5 Hazen Units                  | 15 Hazen Units                                        | IS 3025 (Part-4): 2021            |
| 5                                                 | Total Dissolved Solids (TDS) @ 180°C & 5 mm | 220                 | 500 mg/l.                      | 2000 mg/l.                                            | IS 3025 (Part-16): 2023           |
| 6                                                 | Total Hardness as CaCO <sub>3</sub>         | 170                 | 200 mg/l.                      | 500 mg/l.                                             | IS 3025 (Part-21): 2009 (RA 2023) |
| 7                                                 | Calcium as Ca                               | 26                  | 75 mg/l.                       | 200 mg/l.                                             | IS 3025 (Part-40):1991 (RA 2023)  |
| 8                                                 | Magnesium as Mg                             | 24                  | 30 mg/l.                       | 100 mg/l.                                             | IS 3025 (Part-46) (RA 2023)       |
| 9                                                 | Total Chloride                              | 190                 | 200 mg/l.                      | 500 mg/l.                                             | IS 3025 (Part-23): 1986 (RA 2019) |
| 10                                                | Nitrate as N                                | 45                  | 250 mg/l.                      | 1000 mg/l.                                            | IS 3025 (Part-32):1988 (RA 2019)  |
| 11                                                | Sulfate as SO <sub>4</sub>                  | 15                  | 200 mg/l.                      | 400 mg/l.                                             | USEPA-8051:2017                   |
| 12                                                | Fluoride as F                               | 0.210               | 1.0 mg/l.                      | 1.5 mg/l.                                             | APHA 24th Edition-4500 F C        |
| 13                                                | Iron as Fe                                  | 0.02                | 1.0 mg/l.                      | 1.0 mg/l.                                             | USEPA-8005:2017                   |
| 14                                                | Copper as Cu                                | 1.3                 | 45 mg/l.                       | 45 mg/l.                                              | APHA 24th Edition-4500 Cu3 D      |
| 15                                                | pH @ 20°C                                   | 7.45                | 6.5 - 8.5                      | 6.5 - 8.5                                             | IS 3025 (Part-11): 2022           |

Remarks:-

- The Results/Report are submitted to the sample as received and tested in PHED KARNAL Lab.
- The test report can be regenerated in whole or part there of without written permission of Competent Authority.
- The test report can be used for any public or any legal purpose.
- Reliability of water sample analysis lies with sender/collector of water sample.
- To check the sample report online Scan the QR Code below.
- The test samples material for chemical analysis will be disposed off after 7 days from the date of issue of test report unless written request is received by the customer for retaining over a longer period.



*Signature of Principal*  
Principal

*Signature of Chief Chemist*  
CHIEF CHEMIST 02/05/24  
STATE WATER TESTING LABORATORY, KARNAL  
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*Signature of Principal*  
Principal  
Doon Valley Signature School  
KARNAL