

Memo No:- 166

Date:- 29/01/2025

Subject : Physical / Chemical Examination Report of Water Sample

|                            |                                      |                     |                     |
|----------------------------|--------------------------------------|---------------------|---------------------|
| Sample ID/Classification : | AMB/08887/1/2025 / Private           | Sample Details      | Date & Time         |
| Sender :                   | Mavericks International School       | Collected By        | Naresh Chauhan      |
| Location :                 | Tangail Road Mullana Near Gas Agency | Collection Date     | 24/01/2025 at 12:58 |
| Sample Description :       | Drinking Water                       | Received at lab     | 28/01/2025 at 11:51 |
| Latitude / Longitude :     | 77.061763 / 30.278060                | Analysis Start Date | 28/01/2025          |
|                            |                                      | Analysis End Date   | 28/01/2025          |
|                            |                                      | Sample Quantity     | 1ltr.               |


## 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                            | 0.96      | 1 NTU                             | 5 NTU  | APHA 24th Edition -2130 B                       |
| 2     | Taste                                | agreeable | Agreeable                         | Agreeable  | IS 3025 (Part-8):1984: RA:2002                  |
| 3     | Odour                                | agreeable | Agreeable                         | Agreeable  | IS 3025 (Part-5) : 2018                         |
| 4     | Color                                | <5        | 5 Hazen Units                     | 15 Hazen Units   | IS 3025 Part 4: 2021 /APHA 24th Edition -2120 B |
| 5     | Total Dissolved Solids @ 180°C ± 2°C | 272       | 500 mg/lit.                       | 2000 mg/lit.   | APHA 24th Edition -2540 C                       |
| 6     | Total Hardness as CaCO <sub>3</sub>  | 116.15    | 200 mg/lit.                       | 600 mg/lit.  | APHA 24th Edition -2340 C                       |
| 7     | Calcium as Ca                        | 26.31     | 75 mg/lit.                        | 200 mg/lit.  | APHA 24th Edition-3500-Ca B                     |
| 8     | Magnesium as Mg                      | 12.27     | 30 mg/lit.                        | 100 mg/lit.  | APHA 24th Edition -3500 Mg B                    |
| 9     | Total Alkalinity                     | 225.6     | 200 mg/lit.                       | 600 mg/lit.  | APHA 24th Edition -2320 B                       |
| 10    | Chloride as Cl                       | 9.71      | 250 mg/lit.                       | 1000 mg/lit.   | APHA 24th Edition -4500 Cl-B                    |
| 11    | Sulphate as SO <sub>4</sub>          | 19        | 200 mg/lit.                       | 400 mg/lit.  | USEPA / APHA 24th -4500 SO <sub>4</sub> -E      |
| 12    | Fluoride as F                        | 0.3       | 1.0 mg/lit.                       | 1.5 mg/lit.  | APHA 24th Edition-4500F C                       |
| 13    | Iron as Fe                           | 0.02      | 1.0 mg/lit.                       | 1.0 mg/lit.  | USEPA/APHA 24th Edition -3500 Fe B              |
| 14    | Nitrate as NO <sub>3</sub>           | 2         | 45 mg/lit.                        | 45 mg/lit.   | APHA 24th Edition -4500 NO <sub>3</sub> D       |
| 15    | pH @ 25°C                            | 7.31      | 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 AMBALA 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 : 

  
SONIA BADESARA [Add. Ch.], CHEMIST  
DISTRICT WATER TESTING LABORATORY, AMBALA  
email:-[chemist.ambala@phedharyana.gov.in](mailto:chemist.ambala@phedharyana.gov.in)

