

Memo No:- 1462

Date:- 12/04/2024

**Subject : Physical / Chemical Examination Report of Water Sample**

|  |                              |                               |
|--|------------------------------|-------------------------------|
| <p>Sample ID/Classification : KNL/00368/4/2024 / Private</p> <p>Sender : GREENWOOD PUBLIC SCHOOL29840</p> <p>Location : , Meerut Highway Road,Vpo Ranwar,Karnal</p> <p>Sample Description : Drinking Water</p> <p>Latitude / Longitude : 76.977994 / 29.689282</p> | <p><b>Sample Details</b></p> | <p><b>Date &amp; Time</b></p> |
|  | Collected By                 | GREENWOOD PUBL...             |
|  | Collection Date              | 10/04/2024 at 14:46           |
|  | Received at lab              | 12/04/2024 at 09:42           |
|  | Analysis Start Date          | 12/04/2024                    |
|  | Analysis End Date            | 12/04/2024                    |
|  | 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     | Total Dissolved Solids @ 180°C ± 2°C | 340       | 500 mg/l.                      | 2000 mg/l.  | IS 3025 (Part-16) : 2023           |
| 2     | Total Hardness as CaCo3              | 250       | 200 mg/l.                      | 600 mg/l.   | IS 3025 (Part-21) : 2009 (RA 2023) |
| 3     | Calcium as Ca                        | 60        | 75 mg/l.                       | 200 mg/l.   | IS 3025 (Part-40) : 1991 (RA 2023) |
| 4     | Magnesium as Mg                      | 40        | 30 mg/l.                       | 100 mg/l.   | IS 3025 (Part-46) : 2023           |
| 5     | Iron as Fe                           | 0.01      | 1.0 mg/l.                      | 1.0 mg/l.   | USEPA-8008:2017                    |
| 6     | Chloride as Cl                       | 55        | 250 mg/l.                      | 1000 mg/l.  | IS 3025 (Part-32) : 1988 (RA 2019) |
| 7     | Sulphate as So4                      | 25        | 200 mg/l.                      | 400 mg/l.   | USEPA-8051:2017                    |
| 8     | Fluoride as F                        | 0.440     | 1.0 mg/l.                      | 1.5 mg/l.   | APHA 24th Edition-4500F C          |
| 9     | Nitrate as No3                       | 3.1       | 45 mg/l.                       | 45 mg/l.  | APHA 24th Edition -4500 NO3 D      |
| 10    | pH @ 25°C                            | 7.45      | 6.5 - 8.5                      | 6.5 - 8.5   | IS 3025 (Part-11) : 2022           |
| 11    | Total Alkalinity                     | 260       | 200 mg/l.                      | 600 mg/l.   | IS 3025 (Part-23) : 1986 (RA 2019) |
| 12    | Color                                | < 5.0     | 5 Hazen Units                  | 15 Hazen Units  | IS 3025 (Part 4): 2021             |
| 13    | Odour                                | Agreeable | Agreeable                      | Agreeable   | IS 3025 (Part-5) :1984 (RA 2018)   |
| 14    | Taste                                | Agreeable | Agreeable                      | Agreeable   | IS 3025 (Part-8) :1984 (RA 2022)   |
| 15    | Turbidity                            | <1.0      | 1 NTU                          | 5 NTU   | IS 3025 (Part-10):1984 (RA 2022)   |

**Remarks :-**


- \* The Results Given above are related to the sample as received and tested in PHED KARNAL 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**"



Joydeep Singh

Sample analyzed by :

  
 AMIT KUMAR, CHIEF CHEMIST  
 STATE WATER TESTING LABORATORY KARNAL  
 email: chiefchemist.hr@phedharyana.gov.in