

**DHARWADDISTRICT DRINKING WATER QUALITY TESTING LABORATORY**

RURAL DRINKING WATER &amp; SANITATION DEPARTMENT, GoK

PRE Subdivision first floor durga colony, Opp Bendre college Saptapur Dharwad 580001

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**TEST REPORT****Address of the sample :**Aryan's world School,117/3, Sulla road,  
Hubli-580 023

Report date: 04-03-2025

Report no : 0082

Reference: Sample receipt Form

Sample receipt date: 01-03-2025

Sample code: 0082

Date of Sample collection: 01-03-2025

Analysis start date: 01-03-2025

Analysis completion date: 03-03-2025

Sample collection protocol:APHA 23<sup>rd</sup> method

Sample Particulars : Borewell water

Sample quantity:1000ml

| Sl.No               | Test   | Results   | Acceptable Limit IS 10500:2012 RA:2018 | Permissible Limit IS 10500: 2012 RA:2018 | Protocol                      |
|---------------------|--|-----------|--|--|-------------------------------|
| <b>Description:</b> |  |           |  |  |                               |
| 1.                  | pH Value @25.5°C                             | 8.12      | 6.5 – 8.5                              | No relaxation                            | IS 3025 (Part-11):2022        |
| 2.                  | Specific Conductance,µS/cm@25.5°C            | 270       | —                                      | —  | IS 3025 (Part-14):2013        |
| 3.                  | Odour  | Agreeable | Agreeable                              | Agreeable                                | IS 3025 (Part-5 & 6):2018     |
| 4.                  | Taste  | Agreeable | Agreeable                              | Agreeable                                | IS 3025 (Part-8):2023         |
| 5.                  | Colour, Hazen Units                          | <5        | 5                                      | 15                                       | IS 3025 (Part-4) :2021        |
| 6.                  | Turbidity, NTU                               | 0.9       | 1                                      | 5  | IS 3025 (Part-10): 2023       |
| 7.                  | Total Dissolved Solids@ 180°C, mg/l          | 148       | 500                                    | 2000                                     | IS 3025 (Part-16): 2023       |
| 8.                  | Total Alkalinity as CaCO <sub>3</sub> , mg/l | 68.68     | 200                                    | 600                                      | IS 3025 (Part-23): 2023       |
| 9.                  | Total Hardness as CaCO <sub>3</sub> , mg/l   | 75.31     | 200                                    | 600                                      | IS 3025 (Part-21): 2009       |
| 10.                 | Calcium as Ca, mg/l                          | 19.04     | 75                                     | 200                                      | IS 3025 (Part-40): 1991       |
| 11.                 | Magnesium as Mg, mg/l                        | 6.74      | 30                                     | 100                                      | IS 3025 (Part-46): 2023       |
| 12.                 | Chloride as Cl, mg/l                         | 50.14     | 250                                    | 1000                                     | IS 3025 (Part-32): 1988       |
| 13.                 | Sulphate as SO <sub>4</sub> , mg/l           | 18.50     | 200                                    | 400                                      | IS 3025 (Part-24):2022        |
| 14.                 | Fluoride as F, mg/l                          | 0.20      | 1                                      | 1.5                                      | APHA 23 <sup>rd</sup> Edition |
| 15.                 | Nitrate as NO <sub>3</sub> , mg/l            | 2.15      | 45                                     | No relaxation                            | APHA 23 <sup>rd</sup> Edition |
| 16.                 | Iron as Fe, mg/l                             | 0.14      | 1                                      | No relaxation                            | IS 3025 (Part-53): 2003       |
| 17.                 | Bacteriological (H <sub>2</sub> S Test)      | Absent    | Absent/<br>Present                     | --                                       |                               |

**Remarks: The above tested parameters are within the acceptable limits as per the specification of IS 10500-2012 RA-2018.**

Analysed by:

  
Junior Analyst

Authorized Signatory:

  
Senior Analyst  
RDWSD/WQMSP/TeR/01**Note:**

- 1) The above results relate only to the sample tested.
- 2) The report shall not be reproduced except in full without the prior approval of the Quality Manager.
- 3) Traceability: Traceability of measurements is established using CRMs traceable to National/International standards.
- 4) Samples will be discarded after 15 days from the date of report generation for chemical & 7 days for Microbiology parameters.
- 5) Decision rule is applicable as per the procedure mentioned in RDWSD/WQMSP/DR-01.