



# Tumkur District Water Quality Testing Laboratory

TC- 14841

Zilla Panchayath Compound B.H Road Tumkur - 572101, Karnataka.

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## TEST REPORT

Saint marys CBSE Senior Secondary School,  
Devarayapatna,  
Tumkur District-572105  
**Contact No :Girish:7483668819**

Sample Collected By: Customer  
Reference: TRF  
Sample code:TUM25DEC3595  
ULR No. : TC- 1484125000003595F  
Date of Sample collection:16/12/2025  
Sample receipt date: 16/12/2025  
Analysis start date: 17/12/2025  
Analysis completion date: 17/12/2025  
Report date: 17/12/2025  
Sampling Method: APHA24<sup>th</sup> Edition

**Sample Particulars : Drinking Water**

**Sample quantity:1 Liter**

| Sl. No                                 | Test                                | Test Method                                           | Detectable Limit | Acceptable Limit IS 10500 :2012 | Permissible Limit IS 10500 : 2012 RA-2018 | Results   | Units |
|----------------------------------------|-------------------------------------|-------------------------------------------------------|------------------|---------------------------------|-------------------------------------------|-----------|-------|
| <b>Description: Colourless liquid.</b> |                                     |                                                       |                  |                                 |                                           |           |       |
| 1.                                     | pH Value at 24.6°C                  | IS 3025 (Part-11) : 2022                              | 2-14             | 6.5 – 8.5                       | No relaxation                             | 6.58      | -     |
| 2.                                     | Electrical Conductivity, at 24.5°C  | IS 3025 (Part-14) :2019                               | 1.0              | -                               | -                                         | 171       | µS/cm |
| 3.                                     | Odour                               | IS 3025 (Part-5 & 6):2018                             | -                | Agreeable                       | Agreeable                                 | Agreeable | -     |
| 4                                      | Taste                               | IS 3025 (Part-7 & 8):2023                             | -                | Agreeable                       | Agreeable                                 | -         | -     |
| 5.                                     | Colour                              | IS 3025 (Part-4) :2023                                | 1                | 5                               | 15                                        | <1        | Hz    |
| 6.                                     | Turbidity                           | IS 3025 (Part-10) : 2023                              | 0.5              | 1                               | 5                                         | <0.5      | NTU   |
| 7.                                     | Total Dissolved Solids @ 180°C      | IS 3025 (Part-16) : 2023                              | 16               | 500                             | 2000                                      | 100       | mg/l  |
| 8.                                     | Alkalinity as CaCO <sub>3</sub>     | IS 3025 (Part-23) : 2023                              | 20               | 200                             | 600                                       | 45        | mg/l  |
| 9.                                     | Total Hardness as CaCO <sub>3</sub> | IS 3025 (Part-21) : 2019                              | 20               | 200                             | 600                                       | 50        | mg/l  |
| 10.                                    | Calcium as Ca                       | IS 3025 (Part-40) : 2024                              | 8.0              | 75                              | 200                                       | 15        | mg/l  |
| 11.                                    | Magnesium as Mg                     | IS 3025 (Part-46) : ,2023                             | 5.0              | 30                              | 100                                       | <5        | mg/l  |
| 12                                     | Chloride as Cl                      | IS 3025 (Part-32) : 2019                              | 12               | 250                             | 1000                                      | 31        | mg/l  |
| 13.                                    | Sulphate as SO <sub>4</sub>         | IS 3025 (Part-24/Sec 1) : 2022                        | 1.0              | 200                             | 400                                       | 6.0       | mg/l  |
| 14.                                    | Fluoride as F, mg/l                 | APHA 24 <sup>th</sup> Edition 4500- F D               | 0.1              | 1                               | 1.5                                       | <0.1      | mg/l  |
| 15.                                    | Nitrate as NO <sub>3</sub> , mg/l   | APHA 24 <sup>th</sup> Edition 4500- NO <sub>3</sub> B | 1.0              | 45                              | No relaxation                             | 1.5       | mg/l  |
| 16.                                    | Iron as Fe, mg/l                    | IS 3025 (Part-53) : 2024                              | 0.1              | 1                               | No relaxation                             | <0.1      | mg/l  |

Reviewed & Authorized By

Venkatesh .H  
Technical Manager

RDWSD/WQMSP/TeR/01

### Note:

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

-: End of Report:-