



**Pesticide Residue and Food Quality Analysis Laboratory**  
University of Agricultural Sciences  
Lingsugur Road, Raichur, Karnataka, India

MSF No. 7.8.01



**TEST REPORT**

|                                                                                                   |                                 |                                  |
|---------------------------------------------------------------------------------------------------|---------------------------------|----------------------------------|
| <b>Customer Name and Address</b>                                                                  | <b>ULR Number</b>               | <b>ULR-TC757126000004977F</b>    |
| SVS Oxford Central School,<br>Opposite Vijay Hotel, SVS Colony,<br>Raichur Road,<br>Manvi-584123. | <b>Report No.</b>               | PRFQAL/258/2026                  |
|                                                                                                   | <b>Report Date (dd/mm/yyyy)</b> | 29/05/2026                       |
|                                                                                                   | <b>Number of Pages</b>          | 02                               |
|                                                                                                   | <b>Customer Ref. No.</b>        | Inward No: 101 Date : 22/05/2026 |

**Sample Details**

|                        |                                       |                                       |            |
|------------------------|---------------------------------------|---------------------------------------|------------|
| <b>Sample Name</b>     | Primary Blockborewell-Playground Area |                                       |            |
| <b>Description</b>     | Ground Water                          | <b>Sample Received Date</b>           | 22/05/2026 |
| <b>Quantity</b>        | 2 Liters                              | <b>Date of Analysis Started</b>       | 22/05/2026 |
| <b>Batch No.</b>       | --                                    | <b>Date of Completion of Analysis</b> | 27/05/2026 |
| <b>Laboratory Code</b> | PRFQAL/GW/252/2026                    |                                       |            |

| S. No | Name of Test                                        | Result | LOQ | As Per IS 10500  |                   | Method of Analysis/<br>Technique                                                 |
|-------|-----------------------------------------------------|--------|-----|------------------|-------------------|----------------------------------------------------------------------------------|
|       |                                                     |        |     | Acceptable Limit | Permissible Limit |                                                                                  |
| 1     | 2                                                   | 3      | 4   | 5                | 6                 | 7                                                                                |
| 1.    | pH Value                                            | 7.45   | 2   | 6.5-8.5          | No relaxation     | IS 3025 Part 11-<br>Electrometric method :2022                                   |
| 2.    | Turbidity, NTU,Max                                  | 0.25   | 0.1 | 1                | 5                 | IS 3025 Part 10:2023                                                             |
| 3.    | Total Dissolved solids, mg/L,Max                    | 3066   | 10  | 500              | 2000              | IS 3025 Part 16-<br>Gravimetric method:2023                                      |
| 4.    | Chloride (Cl <sup>-</sup> ),mg/L, Max               | 699.78 | 1.6 | 250              | 1000              | IS 3025 Part 32-Argentometric<br>method:2025                                     |
| 5.    | Calcium (Ca),mg/L, Max                              | 352.70 | 1.6 | 75               | 200               | IS 3025 Part 40-EDTA<br>titrimetric method:2024                                  |
| 6.    | Magnesium (as Mg <sup>2+</sup> ),mg/L,Max           | 154.38 | 1   | 30               | 100               | APHA 24 <sup>th</sup> ED 3500-Mg<br>B.Calculation method: 2023                   |
| 7.    | Total Hardness (as CaCO <sub>3</sub> ),<br>mg/L,Max | 988.00 | 10  | 200              | 600               | IS 3025 Part 21-<br>EDTA method:2023                                             |
| 8.    | Fluoride (F <sup>-</sup> ),mg/L,Max                 | 0.52   | 0.1 | 1.0              | 1.5               | APHA 24 <sup>th</sup> ED 4500-F<br>D.SPADNS method: 2023                         |
| 9.    | Nitrate (as NO <sub>3</sub> <sup>-</sup> ),mg/L,Max | 43.42  | 2   | 45               | No relaxation     | IS 3025 Part 34/Sec i<br>Ultraviolet Spectrophotometric<br>Screening method:2023 |
| 10.   | Sulphate (SO <sub>4</sub> <sup>-2</sup> ),mg/L,Max  | 512.60 | 5   | 200              | 400               | IS 3025 Part 24/Sec i-<br>Turbidity method:2022                                  |

M. Anusha

**MANAGER**  
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Raichur Road, **MANVI-584123**

**PRINCIPAL**  
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|     |                                                               |         |    |     |     |                                                             |
|-----|---------------------------------------------------------------|---------|----|-----|-----|-------------------------------------------------------------|
| 11. | Total Alkalinity (as CaCO <sub>3</sub> ),<br>mg/L, <i>Max</i> | 376.00  | 2  | 200 | 600 | IS 3025 Part 23-<br>Indicator method:2023                   |
| 12. | Conductivity, (μS/cm)                                         | 3290.00 | 10 | 200 | 800 | APHA 24 <sup>th</sup> ED 2510-B.<br>Laboratory method: 2023 |

\*LOQ -- Limit of Quantification

Remark: i) Serial no. 3, 4, 5, 6, 7, 10, 11 and 12 are above the Acceptable Limit as per IS 10500:2012 (RA: 2023).

ii) Serial no. 1, 2, 8 and 9 are within the Acceptable Limit as per IS 10500:2012 (RA: 2023).



*[Signature]*  
**Checked & Reviewed by**  
**Dr. Saroja N Rao**

[ Technical Manager-III/Assistant Professor]

**Assistant Professor (Biochemistry)**

**Pesticide Residue and Food Quality  
 Analysis Laboratory, UAS,  
 RAICHUR - 584 104.**

*[Signature]*  
**Authorized Signatory**  
**Dr. Prabhuraj A.**

[Quality Manager/ Professor and Head]

**Professor & Head**  
**Pesticide Residue & Food Quality  
 Analysis Laboratory**  
**UAS, RAICHUR-584 104**

**Notes:**

1. The sample was **not drawn** by the Pesticide Residue and Food Quality Analysis Laboratory, UAS Raichur.
2. This test report relates **only** to the particular sample(s) tested in the laboratory.
3. The results mentioned in this test report pertain to the condition of the sample **as received** by the laboratory.
4. This test report shall not be reproduced, either in part or in full, **without the written approval** of the Pesticide Residue and Food Quality Analysis Laboratory, UAS Raichur.
5. Decision Rule: Statement of Conformity (PASS/FAIL) will be given based on customer request.



\*\*\*\*\* End of Test Report \*\*\*\*\*

*M. Anurha*  
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**TEST REPORT**

|                                                                                                   |                                 |                                  |
|---------------------------------------------------------------------------------------------------|---------------------------------|----------------------------------|
| <b>Customer Name and Address</b>                                                                  | <b>ULR Number</b>               | <b>ULR-TC757126000004976F</b>    |
| SVS Oxford Central School,<br>Opposite Vijay Hotel, SVS Colony,<br>Raichur Road,<br>Manvi-584123. | <b>Report No.</b>               | PRFQAL/257/2026                  |
|                                                                                                   | <b>Report Date (dd/mm/yyyy)</b> | 29/05/2026                       |
|                                                                                                   | <b>Number of Pages</b>          | 02                               |
|                                                                                                   | <b>Customer Ref. No.</b>        | Inward No: 101 Date : 22/05/2026 |

**Sample Details**

|                        |                                      |                                       |            |
|------------------------|--------------------------------------|---------------------------------------|------------|
| <b>Sample Name</b>     | RO Plant Main Building Overhead Tank | <b>Sample Received Date</b>           | 22/05/2026 |
| <b>Description</b>     | Drinking Water                       | <b>Date of Analysis Started</b>       | 22/05/2026 |
| <b>Quantity</b>        | 2 Liters                             | <b>Date of Completion of Analysis</b> | 27/05/2026 |
| <b>Batch No.</b>       | --                                   |                                       |            |
| <b>Laboratory Code</b> | PRFQAL/DW/251/2026                   |                                       |            |

| S. No | Name of Test                                        | Result | LOQ | As Per IS 10500  |                   | Method of Analysis/<br>Technique                                                 |
|-------|-----------------------------------------------------|--------|-----|------------------|-------------------|----------------------------------------------------------------------------------|
|       |                                                     |        |     | Acceptable Limit | Permissible Limit |                                                                                  |
| 1     | 2                                                   | 3      | 4   | 5                | 6                 | 7                                                                                |
| 1.    | pH Value                                            | 7.24   | 2   | 6.5-8.5          | No relaxation     | IS 3025 Part 11-<br>Electrometric method :2022                                   |
| 2.    | Turbidity, NTU,Max                                  | 0.21   | 0.1 | 1                | 5                 | IS 3025 Part 10:2023                                                             |
| 3.    | Total Dissolved solids, mg/L,Max                    | 26     | 10  | 500              | 2000              | IS 3025 Part 16-<br>Gravimetric method:2023                                      |
| 4.    | Chloride (Cl <sup>-</sup> ),mg/L, Max               | 14.00  | 1.6 | 250              | 1000              | IS 3025 Part 32-Argentometric<br>method:2025                                     |
| 5.    | Calcium (Ca),mg/L, Max                              | 4.81   | 1.6 | 75               | 200               | IS 3025 Part 40-EDTA<br>titrimetric method:2024                                  |
| 6.    | Magnesium (as Mg <sup>2+</sup> ),mg/L,Max           | 2.72   | 1   | 30               | 100               | APHA 24 <sup>th</sup> ED 3500-Mg<br>B.Calculation method: 2023                   |
| 7.    | Total Hardness (as CaCO <sub>3</sub> ),<br>mg/L,Max | 16.00  | 10  | 200              | 600               | IS 3025 Part 21-<br>EDTA method:2023                                             |
| 8.    | Fluoride (F <sup>-</sup> ),mg/L,Max                 | 0.22   | 0.1 | 1.0              | 1.5               | APHA 24 <sup>th</sup> ED 4500-F<br>D.SPADNS method: 2023                         |
| 9.    | Nitrate (as NO <sub>3</sub> <sup>-</sup> ),mg/L,Max | 3.90   | 2   | 45               | No relaxation     | IS 3025 Part 34/Sec 1<br>Ultraviolet Spectrophotometric<br>Screening method:2023 |
| 10.   | Sulphate (SO <sub>4</sub> <sup>2-</sup> ),mg/L,Max  | BQL    | 5   | 200              | 400               | IS 3025 Part 24/Sec 1-<br>Turbidity method:2022                                  |

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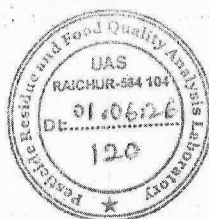


|     |                                                        |       |    |     |     |                                                             |
|-----|--------------------------------------------------------|-------|----|-----|-----|-------------------------------------------------------------|
| 11. | Total Alkalinity (as CaCO <sub>3</sub> ),<br>mg/L, Max | 16.00 | 2  | 200 | 600 | IS 3025 Part 23-<br>Indicator method:2023                   |
| 12. | Conductivity, (μS/cm)                                  | 83.55 | 10 | 200 | 800 | APHA 24 <sup>th</sup> ED 2510-B.<br>Laboratory method: 2023 |

\*LOQ – Limit of Quantification

\* BQL- Below Quantification Limit

Remark: The given sample conforms within the acceptable limit of IS 10500:2012 RA: 2023 drinking water specification for above tested physical & chemical parameters.



**Checked & Reviewed by**  
**Dr. Saroja N Rao**

[ Technical Manager-III/Assistant Professor]

**Assitant Professor (Biochemistry)**  
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\*\*\*\*\* End of Test Report \*\*\*\*\*

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