



# KSCSTE - CENTRE FOR WATER RESOURCES DEVELOPMENT AND MANAGEMENT

## ജലവിഭവ വികസന വിനിയോഗ കേന്ദ്രം

(An ISO 9001 : 2015 Certified Organization)

An Institution of Kerala State Council for Science, Technology & Environment, Govt. of Kerala  
കേരള ശാസ്ത്ര സാങ്കേതിക പരിസ്ഥിതി കൗൺസിൽ സ്ഥാപനം, കേരള സർക്കാർ



### CWRDM WATER QUALITY DIVISION-TESTING LABORATORY

#### TEST REPORT

No: CWRDM/WQD/WA/5318/2025

ULR -TC1240825000001846F

|   |   |
|---|---|
| <b>Customer Name and Address:</b><br>Alphonsa English Medium School<br>Korangad<br>Thamarassery | Date of Issue :03-07-2025<br>Date of receipt of sample :23-06-2025<br>SRF No :5318/2025<br>Test Report No :5318/2025/05<br>Analysis Started :23-06-2025<br>Analysis Completed :30-06-2025 |
| <b>Information Provided By Customer:</b><br>Sample Description<br>Sample Drawn By               | Water Sample (1L,Open Well)<br>HI-Taluk Hospital Thamarassery   |

#### TEST RESULTS-CHEMICAL ANALYSIS

| Sl. No. | Parameters  | Test Method  | Result | Acceptable limit as per IS 10500:2012 |
|---------|---|--|--------|---------------------------------------|
| 1       | pH at 25°C  | APHA, 2023 (Part 4500 H+ B)                            | 5.28   | 6.50-8.50                             |
| 2       | Colour, Hazen                                     | APHA, 2023 (Part 2120 B)                               | <1.0   | 5.0                                   |
| 3       | Turbidity, NTU                                    | APHA, 2023 (Part 2130 B)                               | 0.80   | 1.0                                   |
| 4       | Total Dissolved Solids, mg/l                      | APHA, 2023 (Part 2540 C)                               | 44.0   | 500.0                                 |
| 5       | Total Hardness as CaCO <sub>3</sub> , mg/l        | APHA, 2023 (Part 2340 C)                               | 16.0   | 200.0                                 |
| 6       | Total Alkalinity as CaCO <sub>3</sub> , mg/l      | APHA, 2023 (Part 2320 B)                               | 4.0    | 200.0                                 |
| 7       | Chloride as Cl <sup>-</sup> , mg/l                | APHA, 2023 (Part 4500 Cl <sup>-</sup> B)               | 8.0    | 250.0                                 |
| 8       | Sulphate, as SO <sub>4</sub> <sup>2-</sup> , mg/l | APHA, 2023 (Part 4500 SO <sub>4</sub> <sup>2-</sup> E) | 3.20   | 200.0                                 |
| 9       | Calcium as Ca, mg/l                               | APHA, 2023 (Part 3500 Ca B)                            | 4.80   | 75.0                                  |
| 10      | Magnesium as Mg, mg/l                             | APHA, 2023 (Part 3500 Mg B)                            | 1.0    | 30.0                                  |
| 11      | Iron as Fe, mg/l                                  | APHA, 2023 (Part 3500 Fe B)                            | BDL    | 1.0                                   |

Detection Limit of Iron is 0.20 mg/l

#### Note:-

pH of the water sample is found to be less than the acceptable limit as per IS 10500:2012, Drinking Water Specification. All other tested water quality parameters are found to be within the acceptable limit as per IS 10500:2012, Drinking Water Specification.

\*\*\*\*\*End of the Report\*\*\*\*\*

For CWRDM, Water Quality Division – Testing Laboratory

Tested by

Authorized Signatory

QUALITY MANAGER  
CWRDM WATER QUALITY DIVISION  
TESTING LABORATORY

**Note:** This test report refers only to the particular item(s) submitted for testing. The test results reported in this report are valid at the division and under the stated condition of measurement. This particular test report cannot be reproduced except in full, without prior permission of Head – Water Quality Division of the laboratory. Any discrepancies may be brought to the laboratory within 30 days of the issue of the report.

Kunnamangalam, Kozhikode-673571, Kerala, India | കുന്ദമംഗലം, കോഴിക്കോട്-673571, കേരളം, ഇന്ത്യ

E-mail: ed@cwrmdm.org, registrar@cwrmdm.org | Website: www.cwrmdm.kerala.gov.in

Phone: (91) 495 235 1800, 235 1801

## WATER QUALITY DIVISION

### CENTRE FOR WATER RESOURCES DEVELOPMENT AND MANAGEMENT KOZHIKODE-673571

No: CWRDM/WQD/WA/5318/2025N

|   |   |
|---|---|
| <b>Customer Name and Address:</b><br>Alphonsa English Medium School<br>Korangad<br>Thamarassery | Date of Issue :03-07-2025<br>Date of receipt of sample :23-06-2025<br>SRF No :5318/2025<br>Test Report No :5318/2025/05<br>Analysis Started :23-06-2025<br>Analysis Completed :24-06-2025 |
| <b>Information Provided By Customer:</b><br>Sample Description<br>Sample Drawn By               | Water Sample (1L, Open Well)<br>HI-Taluk Hospital Thamarassery  |

#### TEST RESULTS - BACTERIOLOGICAL ANALYSIS

| Sl. No. | Parameters                 | Test Method             | Result | Acceptable limit as per IS 10500:2012       |
|---------|----------------------------|-------------------------|--------|---|
| 1       | Total Coliforms, CFU/100ml | APHA, 2023(Part 9222 B) | Absent | Shall not be detectable in any 100ml sample |
| 2       | <i>E.coli</i> , CFU/100ml  | APHA, 2023(Part 9222 G) | Absent | Shall not be detectable in any 100ml sample |

\*\*\*\*\*End of the Report\*\*\*\*\*

For CWRDM, Water Quality Division – Testing Laboratory

  
Tested by

  
Authorized Signatory  
**QUALITY MANAGER**  
CWRDM WATER QUALITY DIVISION  
TESTING LABORATORY

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