



**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/2023/8608

| | | |
|---------------------------------------------------------------------------|-----------------------------------------------------------------------------------|---------------------------------------------------|
| Customer Name and Address: Markaz Public School Kaithappoyil | Date of Issue | :14-09-2023 |
| | Date of receipt of sample | :16-08-2023 |
| | SRF No | :8408 |
| | Test Report No | :8608 |
| | Analysis Started | :16-08-2023 |
| | Analysis Completed | :07-09-2023 |
| | Information Provided by Customer: Sample Description Sample Drawn by | Water Sample (1L, Open well) HI PHC Puthuppadi |

TEST RESULTS-CHEMICAL ANALYSIS

| Sl. No. | Parameters | Test Method | Result | Limit of Quantification (LOQ) | Acceptable limit as per IS 10500:2012 |
|---------|--------------------------------------------------|--------------------------------------------------------|--------|-------------------------------|---------------------------------------|
| 1 | pH at 25°C | APHA, 2023 (Part 4500 H+ B) | 5.69 | 1.0 | 6.50-8.50 |
| 2 | Colour, Hazen | APHA, 2023 (Part 2120 B) | BDL | 1.0 | 5.0 |
| 3 | Turbidity, NTU | APHA, 2023(Part 2130 B) | BDL | 0.20 | 1.0 |
| 4 | Total Dissolved Solids, mg/l | APHA, 2023 (Part 2540 C) | 38.0 | 10.0 | 500.0 |
| 5 | Total Hardness as CaCO ₃ , mg/l | APHA, 2023 (Part 2340 C) | 27.16 | 2.0 | 200.0 |
| 6 | Total Alkalinity as CaCO ₃ , mg/l | APHA, 2023 (Part 2320 B) | 11.88 | 2.0 | 200.0 |
| 7 | Chloride as Cl ⁻ , mg/l | APHA, 2023(Part 4500 Cl ⁻ B) | 11.74 | 4.0 | 250.0 |
| 8 | Sulphate as SO ₄ ²⁻ , mg/l | APHA, 2023 (Part 4500 SO ₄ ²⁻ E) | 2.43 | 1.0 | 200.0 |
| 9 | Calcium as Ca, mg/l | APHA, 2023 (Part 3500 Ca B) | 9.31 | 1.0 | 75.0 |
| 10 | Magnesium as Mg, mg/l | APHA, 2023 (Part 3500 Mg B) | 1.0 | 1.0 | 30.0 |
| 11 | Iron as Fe, mg/l | APHA, 2023 (Part 3500 Fe B) | BDL | 0.20 | 1.0 |

BDL-Below Detection Level

For CWRDM, Water Quality Division – Testing Laboratory

Tested by

Authorised Signatory

**Head
Water Quality Division
CWRDM**

WATER QUALITY DIVISION

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

TEST RESULTS- BACTERIOLOGICAL ANALYSIS

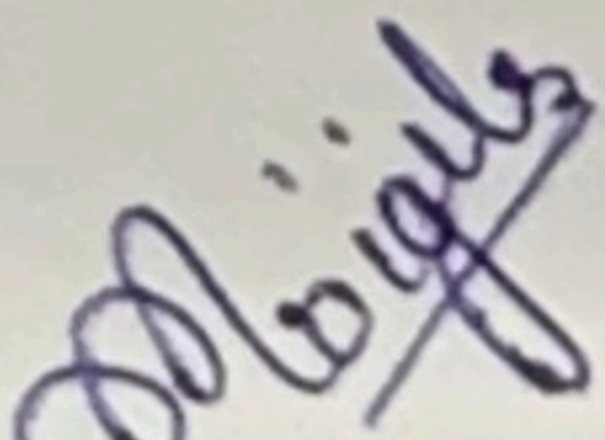
| Sl. No. | Parameters | Test Method | Result | Acceptable limit as per IS 10500:2012 |
|---------|----------------------------|-------------------------|--------|---------------------------------------------|
| 1 | Total Coliforms, CFU/100ml | APHA, 2023(Part 9222 B) | Absent | Shall not be detectable 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 |

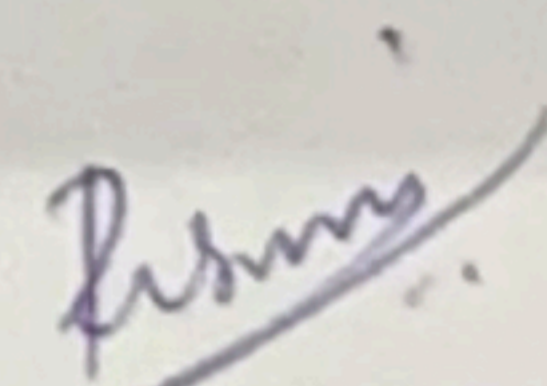
Note:-

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


Authorised Signatory

Head
Water Quality Division
CWRDM

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 time of and under the stated condition of measurement. This particular test report cannot be reproduced expect 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.