



KERALA WATER AUTHORITY
QUALITY CONTROL SUB DISTRICT LABORATORY

PULIKKEEZHU, THIRUVALLA
Telephone No. 0469 2999833, Email :kwaqcSDLplkz@gmail.com

TEST REPORT

| | |
|------------------------------|-----------------|
| Report No:3967 /PLKZ/08/2024 | Date:07.08.2024 |
|------------------------------|-----------------|

| | | |
|-----------------------------------------------------------------------------------------|----------------------------|--------------------------------|
| CUSTOMER NAME & ADDRESS ST MARYS RESIDENTIAL PUBLIC SCHOOL THIRUVALLA | 1.Date of Payment Received | 25.07.2024 |
| | 2. Date of Sample Received | 06.08.2024 |
| | 3. Time of Sampling | 12.35 PM |
| | 4. Sampling done by | Customer |
| | 5. Sample Code | 2024/QCSDL/PLKZ/P3811 |
| | 6. Source of Sample | DRINKING WATER |
| | 7. Sample Quantity | 2 LITRE |
| | 8.Sampling Method | Not Applicable |
| | 9.Test performing dates | From: 06.08.2024 to 07.08.2024 |

| Sl. No | Characteristics | Unit | Test Method | Maximum acceptable limits as per IS 10500-2012 | Limit of Quantification (LOQ) | Result |
|--------|----------------------------------------------|-----------|-------------------------------|------------------------------------------------|-------------------------------|-----------|
| 1 | Colour | HU | APHA 2120 B | 5 | 1HU | 5 |
| 2 | Odour | | IS 3025(part 5)-2018 | | Qualitative | Agreeable |
| 3 | Taste | | IS 3025(part 8)-1984 | | Qualitative | NT |
| 4 | Turbidity | NTU | IS 3025(part10)-1984 | 1 | 0.5 NTU | 1.45 |
| 5 | pH at 25 ⁰ C | | IS 3025(part 11)-2022 | 6.5-8.5 | 2 | 6.96 |
| 6 | Total Alkalinity (as CaCO ₃) | mg/L | IS 3025(part 23)-1986 | 200 | 1mg/L | 12 |
| 7 | Total Dissolved Solids | mg/L | IS 3025(part16)-2023 | 500 | 5mg/L | 56.75 |
| 8 | Total Hardness (as CaCO ₃) | mg/L | IS 3025(part21)-2009 | 200 | 1mg/L | 50.5 |
| 9 | Calcium(as Ca) | mg/L | IS 3025(part40)-1991 | 75 | 1mg/L | 12.14 |
| 10 | Magnesium (as Mg) | mg/L | APHA 3500 – Mg B | 30 | 1mg/L | 4.90 |
| 11 | Chloride(as Cl) | mg/L | IS 3025(part32)-1988 | 250 | 1mg/L | 13.98 |
| 12 | Electrical Conductivity at 25 ⁰ C | microS/cm | IS 3025(part14)-2013 | | 1µS/cm | 85.12 |
| 13 | Acidity | mg/L | IS 3025(part22)-1986 | | 0.5mg/L | 21.78 |
| 14 | Sulphate (as SO ₄) | mg/L | IS 3025(part24)-2022 | 200 | 1 mg/L | 2.05 |
| 15 | Fluoride (as F) | mg/L | APHA 4500 – F D | 1 | 0.1 mg/L | < 0.1 |
| 16 | Iron (as Fe) | mg/L | IS 3025(part53)-2003 | 1 | 0.1mg/L | 0.39 |
| 17 | Nitrate (as NO ₃) | mg/L | APHA 4500 – NO ₃ B | 45 | 2mg/L | < 2 |

Remarks:-

NT:- Not Tested

NB:-The results stated above related only to the sample(s)submitted for testing. This test Certificate shall not be reproduced except in full without the written approval of the Laboratory.

Verified By

Name: Deepa M P

Technical Manager

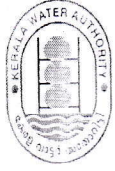
Authorized By

Name: Manju M

Technical Manager

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** End of Report **



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| Report No:3967 /PLKZ/08/2024(MB) | Date: 07.08.2024 |
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| Customer Name & Address | 1.Date of Payment Received | 25.07.2024 |
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| ST MARYS RESIDENTIAL PUBLIC SCHOOL THIRUVALLA | 2. Date of Sample Received | 06.08.2024 |
| | 3. Time of Sampling | 12.35 PM |
| | 4. Sampling done by | Customer |
| | 5. Sample Code | 2024/QCSDL/PLKZ/P3811 |
| | 6. Source of Sample | DRINKING WATER |
| | 7. Sample Quantity | 200 ml |
| | 8.Sampling Method | Not Applicable |
| | 9.Test performing dates | From : 06.08.2024 to 07 .08.2024 |

BACTERIOLOGICAL ANALYSIS

| Sl. No | Parameters | Acceptable limits as per IS 10500 - 2012 | Test Method | Result |
|--------|-----------------|---------------------------------------------|-----------------|--------|
| 1 | Total Coliforms | Shall not be detected/100 ml | IS 15185 – 2016 | ABSENT |
| 2 | E-coli | Shall not be detected/100 ml | IS 15185 – 2016 | ABSENT |

Remarks:-

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Name :Jini S Thankappan
Bacteriologist

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**** End of Report ****