



**KERALA WATER AUTHORITY**  
**QUALITY CONTROL SUB DISTRICT LABORATORY**  
 KOTTAKUNNU, MALAPPURAM DT.  
 Mob: 0483-2738735, email: qcsdl.nipm@gmail.com

**TEST REPORT**

ULR No: ML106632400002370F

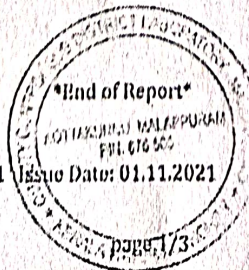
|                                                                     |                                                      |                |
|---------------------------------------------------------------------|------------------------------------------------------|----------------|
| Report No-KWA/MPM/MPM/R/17/M/26/2487                                | Date: 26.06.2024                                     |                |
| <b>KENDRIYA VIDYALAYA<br/>PRINCIPAL<br/>MALAPPURAM<br/>SAMPLE 1</b> | 1. Sample Code                                       | M/24/2487      |
|                                                                     | 2. Date of Receipt                                   | 25.06.2024     |
|                                                                     | 3. Sampling done by                                  | PARTY          |
|                                                                     | 4. Sample                                            | DRINKING WATER |
|                                                                     | 5. Source of Sample                                  | FILTERED WATER |
|                                                                     | 6. Sample Quantity                                   | 2 LITRE        |
|                                                                     | 7. Sample Performance from: 25.06.2024 to 26.06.2024 |                |

| Sl. No | Characteristics                        | Unit     | Test Method                                          | Acceptable Limit as per IS 10500:2012 | Permissible Limit as Per IS 10500:2012 | Results   |
|--------|----------------------------------------|----------|------------------------------------------------------|---------------------------------------|----------------------------------------|-----------|
| 1      | Taste                                  |          | IS 3025(part 8)-2017                                 |                                       |                                        | Agreeable |
| 2      | Colour                                 | CU       | Visual comparison method IS 3025(part 4)-2021        | 5                                     | 15                                     | <1        |
| 3      | Odour                                  |          | IS 3025(part 5)-2018                                 | Agreeable                             | Agreeable                              | Agreeable |
| 4      | Turbidity                              | NTU      | Nephelometric method IS 3025(part 10)-2017           | 1                                     | 5                                      | 2.48      |
| 5      | pH at 25°C                             |          | Electrometric method IS 3025(part 11)-2022           | 6.5 - 8.5                             | No relaxation                          | 5.54      |
| 6      | Alkalinity                             | mg/litre | Titrimetric method IS 3025(part 23)-2019             | 200                                   | 600                                    | 46        |
| 7      | Total Dissolved Solids (TDS) @ 180 °C  | mg/litre | Gravimetric Method IS 3025(part 16)-2017             | 500                                   | 2000                                   | 71        |
| 8      | Total Hardness (as CaCO <sub>3</sub> ) | mg/litre | EDTA titrimetric method IS 3025(part 21)-2019        | 200                                   | 600                                    | 52        |
| 9      | Calcium (as Ca <sup>2+</sup> )         | mg/litre | EDTA titrimetric method IS 3025(part 40)-2019        | 75                                    | 200                                    | 12.13     |
| 10     | Magnesium (as Mg <sup>2+</sup> )       | mg/litre | Volumetric method using EDTA IS 3025(part 46)-2019   | 30                                    | 100                                    | 5.39      |
| 11     | Chloride (as Cl <sup>-</sup> )         | mg/litre | Argentometric Titration method IS 3025(part 32)-2019 | 250                                   | 1000                                   | 6.99      |

Reviewed by:

KWA/MPM/MPM/F/04

ISSUE No. 01



**JISHMA P**  
 DEPUTY QUALITY MANAGER  
 KWA/MPM/MPM/F/04  
 KERALA WATER AUTHORITY  
 KOTTAKUNNU, MALAPPURAM DT.



**KERALA WATER AUTHORITY**  
**QUALITY CONTROL SUB DISTRICT LABORATORY**  
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Mob: 0483-2738735, email: qcSDL.mpm@gmail.com

**TEST REPORT**

Report No-KWA/MPM/MPM/R/17/M/26/2487

Date: 26.06.2024

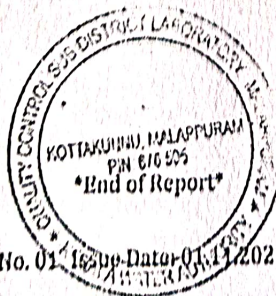
**KENDRIYA VIDYALAYA**  
**PRINCIPAL**  
**MALAPPURAM**  
**SAMPLE 1**

|                                                      |                |
|------------------------------------------------------|----------------|
| 1. Sample Code                                       | M/24/2487      |
| 2. Date of Receipt                                   | 25.06.2024     |
| 3. Sampling done by                                  | PARTY          |
| 4. Sample                                            | DRINKING WATER |
| 5. Source of Sample                                  | FILTERED WATER |
| 6. Sample Quantity                                   | 2 LITRE        |
| 7. Sample Performance from: 25.06.2024 to 26.06.2024 |                |

| Sl. No | Characteristics                 | Unit          | Test Method           | Acceptable Limit as per IS 10500:2012 | Permissible Limit as per IS 10500:2021 | Results      |
|--------|---------------------------------|---------------|-----------------------|---------------------------------------|----------------------------------------|--------------|
| 1      | Electrical Conductivity at 250C | micro mhos/cm | IS 3025(part 14)-2013 |                                       |                                        | 106.40       |
| 2      | Acidity                         | mg/litre      | IS 3025(part 22)-1986 |                                       |                                        | 34.00        |
| 3      | Sulphate                        | mg/litre      | IS 3025(part 24)-1984 | 200                                   | 400                                    | NOT DETECTED |
| 4      | Flouride (as F <sup>-</sup> )   | mg/litre      | IS 3025(part 01)-1984 | 1.5                                   | 1.5                                    | NOT DONE     |
| 5      | Iron (as Fe <sup>2+</sup> )     | mg/litre      | IS 3025(part 01)-1984 | 1                                     | No relaxation                          | 0.18         |
| 6      | Nitrate (as NO <sup>3-</sup> )  | mg/litre      | IS 3025(part 34)-1988 | 45                                    | No relaxation                          | 0.08         |
| 7      | Ammonia                         | mg/litre      | IS 3025(part 34)-1988 | 0.5                                   | No relaxation                          | NOT DETECTED |
| 8      | Residual Chlorine               | mg/litre      | IS 3025(part 26)-1986 | 0.2                                   | 0.5                                    | NOT DONE     |

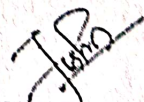
NB:- The results stated above related only to the sample(s) submitted for testing. This test certificate shall not be reproduced except in full without the written approval of the Laboratory.

  
Reviewed by



KWA/MPM/MPM/F/04

ISSUE No. 01 Date: 01/07/2021

  
JISHMA P

DEPUTY QUALITY MANAGER  
QCSDL MALAPPURAM  
KERALA WATER AUTHORITY  
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**TEST REPORT**

Report No-KWA/MPM/MPM/R/17/M/26/2487

Date: 27.06.2024

**KENDRIYA VIDYALAYA**  
**PRINCIPAL**  
**MALAPPURAM**  
**SAMPLE 1**

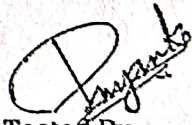
|                             |                          |
|-----------------------------|--------------------------|
| 1. Sample Code              | M/24/2487                |
| 2. Date of Receipt          | 25.06.2024               |
| 3. Sampling done by         | PARTY                    |
| 4. Sample                   | DRINKING WATER           |
| 5. Source of Sample         | FILTERED WATER           |
| 6. Sample Quantity          | 100ML                    |
| 7. Sample Performance from: | 24.06.2024 to 27.06.2024 |

| Sl. No | Characteristics | Unit      | Test Method                        | Acceptable Limit as per IS 10500:2012 | Permissible Limit as per IS 10500:2012 | Results |
|--------|-----------------|-----------|------------------------------------|---------------------------------------|----------------------------------------|---------|
| 1      | Total Coliforms | CFU/100ml | IS 15185 : 2016<br>ISO 9308-1:2014 | Shall not be detected/100ml           | No relaxation                          | 30      |
| 2      | E-Coli          | CFU/100ml | IS 15185 : 2016<br>ISO 9308-1:2014 | Shall not be detected/100ml           | No relaxation                          | ABSENT  |

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TNTC- Too Numerous To Count



  
Tested By