



**TEST WATER BEFORE TASTE**  
TAMIL NADU WATER SUPPLY & DRAINAGE BOARD

District Level Water Testing Laboratory,  
Asaripallam Medical College Road, Post Office Upstair, Asaripallam 629201.

**TEST REPORT**

Ph.04652-238315

From  
Er.B.Hari Govind,B.E  
Assistant Executive Engineer,  
TWAD BOARD,  
Maintenance Sub-Division ,  
Nagercoil-1 .

To  
The Correspondent,  
St. Mary's School CBSE,  
Amanattantheri, Enayam.

**Lr.No.F.Drinking/ Lab No.43145-43146 /AEE(i.c)/Lab /NGI/21-22/Dated 22.11.2021.**

Sir,

Sub : Examination of water sample - Report furnished - Reg.

Ref : 1) Your Lr.No.Nil/ Dt. 11.11.2021

2) Your D.D No.631543/Dt. 11.11.2021 for Rs.1652/-

3) Our Invoice No.9133/Dt. 11.11.2021 for Rs.1652/-

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The result of analysis for the water sample sent under reference is furnished below.

**Scheme : Drinking purpose**

**Source : Bore Well.**

**Location : Amanattantheri**


Date of Collection : 11.11.2021

Date of Receipt : 11.11.2021

| BIS 10500 : 2012                        | Acceptable limit | Permissible limit in the absence of alternate source | Result       |
|---|------------------|--|--------------|
| <b>I. PHYSICAL EXAMINATION.</b>         |                  |  | <b>43145</b> |
| 1. Appearance                           | -                | -  | Clear        |
| 2. Colour                               | Agreeable        | Agreeable  | Colourless   |
| 3. Odour                                | -                | -  | None         |
| 4. Turbidity NT Units                   | 1                | 5  | 0            |
| 5. Total dissolved Solids mg/L          | 500              | 2000   | 51           |
| 6. Electrical Conductivity Micro mho/cm | -                | -  | 78           |
| <b>II.CHEMICAL EXAMINATION:</b>         |                  |  |              |
| 7. pH                                   | 6.5-8.5          | 6.5-8.5  | 6.55         |
| 8. Ph. Alkalinity as CaCo3 mg/L         | -                | -  | 0.00         |
| 9. Total Alkalinity. as CaCo3 mg/L      | 200              | 600  | 14           |
| 10. Total Hardness as CaCo3 mg/L        | 200              | 600  | 20           |
| 11. Calcium as Ca mg/L                  | 75               | 200  | 6            |
| 12. Magnesium as Mg mg/L                | 30               | 100  | 1            |
| 13. Sodium as Na mg/L                   | -                | -  | 7            |
| 14. Potassium as K mg/L                 | -                | -  | 1            |
| 15. Iron as Fe mg/L                     | 0.3              | 1  | 0.24         |
| 16. Manganese mg/L                      | 0.1              | 0.3  | 0.00         |
| 17. Free Ammonia as NH3 mg/L            | 0.5              | 0.5  | 0.12         |
| 18. Nitrite as NO2 mg/L                 | -                | -  | 0.00         |
| 19. Nitrate as NO3 mg/L                 | 45               | 45   | 1            |
| 20. Chloride as Cl mg/L                 | 250              | 1000   | 12           |
| 21. Fluoride as F mg/L                  | 1.0              | 1.5  | 0.2          |
| 22. Sulphate as SO4 mg/L                | 200              | 400  | 3            |
| 23. Phosphate as PO4 mg/L               | -                | -  | 0.05         |
| 24. Tidy's Test 4 hrs.as O2 mg/L        | -                | -  | 0.2          |
| <b>BACTERIOLOGICAL EXAMINATION</b>      | -                | -  | <b>43146</b> |
| Fecal coliform per 100 ml.              | 0                | 0  | 300          |

**Report:Lab No.-43145:The water is Chemically Potable.**

**Report:Lab No.-43146: The Water is Bacteriologically Unsafe.**

  
 Assistant Executive Engineer, TWAD Board  
 Maintenance Sub-Division, Nagercoil