



TAMILNADU WATER SUPPLY AND DRAINAGE BOARD
DISTRICT WATER TESTING LABORATORY,
Manjalneerkaval, Thoothukudi - 628 152

From
 K. Rengaraj, M.Sc.,M.Phil.,
 Junior Water Analyst, TWAD Board,
 District Water Testing Laboratory,
 Manjalneerkaval, Thoothukudi.

To
 Good Shepherd Model School,
 3B-Opp-Collectrate,
 Periyannayagipuram,
 Thoothukudi.

Lr No 32107-32108 /F.Report/JWA/Mnkaval/2015/ Dt.27 .05.2015

Sir,

Sub: Examination of Water Sample report -furnished - reg.

Ref: 1. Your Lr.No.Nil/Dated 22.05.2015

2. T.O Invoice No. 2687 /Dated 27.05.2015 for Rs.700/-

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

Scheme :Private

Source : RO

Location:32107&32108: Mineral Water - Can

Date of Collection : 22.05.2015

Date of Receipt : 22.05.2015

| BIS 10500 : 2012 | Acceptable limit | Permissible limit in the absence of alternate | Result |
|--|------------------|---|---------------|
| | | | 32107 |
| I. PHYSICAL EXAMINATION. | | | |
| 1. Appearance | - | - | Clear |
| 2. Colour (pt.co-scale) | 5 | 15 | Colourless |
| 3. Odour | Agreeable | Agreeable | None |
| 4. Turbidity NT Units | 1 | 5 | 0.5 |
| 5. Total dissolved Solids mg/L | 500 | 2000 | 23 |
| 6. Electrical Conductivity Micro mho/cm | - | - | 35 |
| II. CHEMICAL EXAMINATION: | | | |
| 7. pH | 6.5-8.5 | 6.5-8.5 | 6.55 |
| 8. Ph. Alkalinity as CaCO ₃ mg/L | - | - | 0 |
| 9. Total Alkalinity, as CaCO ₃ mg/L | 200 | 600 | 8 |
| 10. Total Hardness as CaCO ₃ mg/L | 200 | 600 | 12 |
| 11. Calcium as Ca mg/L | 75 | 200 | 3 |
| 12. Magnesium as Mg mg/L | 30 | 100 | 1 |
| 13. Sodium as Na mg/L | - | - | 3 |
| 14. Potassium as K mg/L | - | - | 1 |
| 15. Iron as Fe mg/L | 0.3 | 0.3 | 0 |
| 16. Manganese mg/L | 0.1 | 0.3 | - |
| 17. Free Ammonia as NH ₃ mg/L | 0.5 | 0.5 | 0 |
| 18. Nitrite as NO ₂ mg/L | - | - | 0.0 |
| 19. Nitrate as NO ₃ mg/L | 45 | 45 | 1.0 |
| 20. Chloride as Cl mg/L | 250 | 1000 | 4.0 |
| 21. Fluoride as F mg/L | 1.0 | 1.5 | 0.0 |
| 22. Sulphate as SO ₄ mg/L | 200 | 400 | 2 |
| 23. Phosphate as PO ₄ mg/L | - | - | 0.1 |
| 24. Tidy's Test 4 hrs.as O ₂ mg/L | - | - | 0.69 |
| 25. Residual Chlorine mg/L | 0.2 | 1 | 0 |
| III BACTERIOLOGICAL EXAMINATION : | | | B32108 |
| 1. Faecal coliforms per 100 ml | Nil/100 ml | Nil/100 ml | Nil |

Report :32107 : The water is chemically Potable.

B32108 : The water is bacteriologically not contaminated

(Signature)
 Junior Water Analyst,
 TWAD Bd, DWT Lab.,
 Manjalneerkaval.

PRINCIPAL

GOOD SHEPHERD MODEL SCHOOL
 THOOTHUKUDI