



GOVERNMENT OF KERALA

Government Analysts' Laboratory
Commissioner of Food Safety
Department of Health and Family
Thiruvananthapuram dtd. 26.07.2019

No.12781/2019-20

CERTIFICATE OF EXAMINATION

Description of Sample: **Well water**
Sample details : The sample received in plastic can and sterile bottle
Source : **Christ Nagar Central School, Kuchapuram, Amachal.P.O, TVPM**
Date of Receipts : 29.06.2019
Date of Analysis : Started on 01.07.2019 and completed on 24.07.2019
Quantity of sample : 2L+125 ml
Physical Appearance : Clear, colourless, odourless

Analytical results:

| Sl. No. (1) | Quantity Characteristics (2) | Name of method of test used (3) | Result (4) | Acceptable limit as per IS No. 10500:2012 (5) |
|-------------|--|---------------------------------|---------------|---|
| 1. | p ^H | IS 3025 | 6.03 | 6.5 to 8.5 |
| 2. | Total Dissolved Solids | IS 3025 | 14.1 Mg/L | 500.0 Mg/L |
| 3. | Total Hardness (as CaCO ₃) | IS 3025 | 6.0 Mg/L | 200.0 Mg/L |
| 4. | Alkalinity | IS 3025 | 4.48 Mg/L | 200.0 Mg/L |
| 5. | Iron (as Fe) | AOAC | 0.1 Mg/L | 0.3 Mg/L |
| 6. | Chloride (as Cl) | IS 3025 | 7.71 Mg/L | 250.0 Mg/L |
| 7. | Sulphates (as SO ₄) | APHA | Nil | 150.0 Mg/L |
| 8. | Residual Free Chlorine | IS 3025 | Nil | 0.2 Mg/L |
| 9. | Nitrate (as NO ₃) | Lab validated Method | 1.77 Mg/L | 45.0 Mg/L |
| 10. | Ammonia | IS 3025 | Nil | 0.5 Mg/L |
| 11. | Turbidity | IS 3025 | 0.62 NTU | 5.0 NTU |
| 12. | Coliforms | IS 1622 : 1981, RA:2009 | <2 MPN/100 ml | <2 MPN/100 ml |
| 13. | E.Coli | IS 1622 : 1981, RA:2009 | Absent/100 ml | Absent /100 ml |

END

Remarks: വെള്ളത്തിന്റെ P^H കുറവാണ്. നാലായിരം ലിറ്റർ വെള്ളത്തിന് 250 ഗ്രാം കുറച്ചം പ്രയോഗിക്കുക. രണ്ടാഴ്ചയിലൊരിക്കൽ ആവർത്തിക്കുക.

Seal



Food Analyst

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