

GOVERNMENT OF ANDRAPRADESH

DIRECTORATE OF INSTITUTE OF PREVENTIVE MEDICINE, P.H.LABS & FOOD (H) ADMN, AMARAVATHI, A.P

District Public Health Laboratory, Kotadibba - ELURU-534001

REPORT OF PHYSICO CHEMICAL AND BACTERIOLOGICAL ANALYSIS OF WATER

| | |
|--|---------------------------|
| Sample from: The Bodhi Tree English Medium High School, near Sai Baba Stupam Opp ManiKanta Grand Town Ship, | Lab Ref.No: P-89-C |
| Collected on : 18.04.2024 | Received on : 18.04.2024 |
| Collected By : Self | |
| Source profile/Id.No.: Bore Water. | |

PHYSIO CHEMICAL PARAMETERS

| S.No. | Parameter | Result | Limits as per IS 10500:2012 | |
|-------|--|------------|------------------------------|--|
| | | | Desirable (acceptable limit) | Permissible limit in the absence of alternative source |
| 1 | Colour | Colourless | 5 | 15 |
| 2 | Turbidity | 0.4 | 1 | 5 |
| 3 | Odour | Odourless | | |
| 4 | p ^H | 7.8 | 6.5-8.5 | No Relaxation |
| 5 | Electrical conductivity at 25 ^o c Micro Mhos/cm | 800 | ... | ... |
| 6 | T.D.S (Mg.L) | 528 | 500 | 2,000 |

Chemical Parameters (Mg/ L)

| | | | | |
|----|--|--------|-----|---------------|
| 1 | Phenolphthalein Alkalinity as (caco ₃) | ... | ... | ... |
| 2 | Total Alkalinity | 100 | 200 | 600 |
| 3 | Total Hardness | 180 | 300 | 600 |
| 4 | Calcium Hardness (as caco ₃) | 40 | ... | ... |
| 5 | Magnesium Hardness | 140 | ... | ... |
| 6 | Calcium (as Ca.) | 16 | 75 | 200 |
| 7 | Magnesium | 34.16 | 30 | 100 |
| 8 | Ammonical Nitrozen | Nil | ... | ... |
| 9 | Nitrite (as.N.) | Nil | ... | ... |
| 10 | Sulphates (as.So ₄ .) | Traces | ... | ... |
| 11 | Chloride (as Cl.) | 140 | 250 | 1000 |
| 12 | Fluoride (as F.) | 0.4 | 1 | 1.5 |
| 13 | Iron (as Fe.) | 0.1 | 0.3 | No Relaxation |

BACTERIOLOGICAL PARAMETERS

| 14 | Residual Chlorine mg per liter | MPN of Coli form Bacteria per 100/ml. | Nature of Coli form Bacteria isolated. |
|----|--------------------------------|---------------------------------------|--|
| | | | |

Remarks:

All the Physico & Chemical Characteristics are within the permissible limits for drinking purpose.



For Makhish Educational Society

[Signature]
Secretary & Correspondent

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