

LABORATORY
PUBLIC HEALTH ENGINEERING DEPARTMENT
MAINTENANCE SUB DIVISION NO. 2, P.H.E. DEPTT. , UJJAIN

Sample from : Shri Kadambini Children Academy, A-55, Indra Nagar, Agar Road, Ujjain
 Particular of sample : Sample No. 1) Tubewell Water
 Date of collection : 29-12-22
 Date of Analysis : 29-12-22

| S. NO. | Characteristics | Unit | Appendex-23 (a) As per manual on water supply Treatment prepared published by CPHEEO-MANUAL | | Result | | | | | |
|--------|---------------------------|-------------------|--|-------------------------|--------|---|---|---|---|--|
| | | | Acceptable | Cause for rejection | ① | 2 | 3 | 4 | 5 | |
| 1. | Physical Turbidity | NTU | 2.5 | 10.0 | 0.4 | | | | | |
| 2. | Colour | PICobalt Scale | 5.0 | 25.0 | NIL | | | | | |
| 3. | Taste and odour | - | Unobjectionable | Unobjectionable | NIL | | | | | |
| 4. | Chemical PH | PH Scale | 7.0 to 8.5 | <6.5 to 9.2> | 7.74 | | | | | |
| 5. | Total Alkalinity | Mg/1 | 200 | 600 | 254 | | | | | |
| 6. | Chloride | - | Up to 200 | 1000 | 160 | | | | | |
| 7. | Total Hardness | Mg/1 | 200as CaCO ₃ | 600as CaCO ₃ | 180 | | | | | |
| 8. | Calcium Hardness | - | | | | | | | | |
| 9. | Magnesium Hard. | - | | | | | | | | |
| 10. | Total Dissolved Solid | - | 500 | 2000 | 335 | | | | | |
| 11. | Iron | Mg/1 | 0.1 | 1.0 | NIL | | | | | |
| 12. | Fluoride | - | 1.0 | 1.5 | 0.46 | | | | | |
| 13. | Maganese | - | 0.3 | 1.0 | - | | | | | |
| 14. | Dissolved oxygen | - | - | - | - | | | | | |
| 15. | C.O.D. | - | 10 | - | - | | | | | |
| 16. | B.O.D | - | 06 | - | - | | | | | |
| 17. | Residual chlorine | - | 02 | 1.0 | NIL | | | | | |
| 18. | Coagulant dose at test | - | - | - | - | | | | | |

NOTE : 1. The figure indicated under the column acceptable are the limits upto which the water is generally acceptable to the consumers.

2. Figure in excess of those mentioned under acceptable render the water not acceptable but still tolerated in the absence of alternative and better source but upto the limits indicated under column 'cause for rejection' above which the supply will have to be rejected.

PRINCIPAL
KADAMBINI CHILDREN'S ACADEMY

Biological

Bacteriological (M. P. N.) of coli form per 100 ml of sample - **1) NIL**

Special Test

(1)

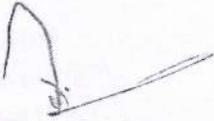
(2)

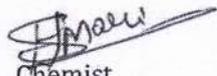
(3)

Chemist :

Remarks : All the tested parameter results are under limits as per CPHEEO manual.

So, water can be used for the drinking purpose.


Assistant Engineer
P.H.E. Maint. Sub Div. No. 2
N.P.N. Ujjain (M.P.)


Chemist
Laboratory Incharge
FILTRATION PLANT
GAU GHAT, UJJAIN

Note :

East : Water sample is collected by consumer.

ON INDIA GOVERNMENT SERVICE

✓ TO,

No. _____

_____ Kadambini Children Academy

_____ A-55, Indra Nagar, Agar Road,

_____ Ujjain (M.P.)

STAMP


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