

Regional Public Health Laboratory Nagpur

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REPORT OF CHEMICAL EXAMINATION OF WATER FOR DRINKING PURPOSES

Shri Swami Narayan Gurukul, Wadoda, Nagpur

Date of Collection :- 16/04/2025

Date of Receipt :- 16/04/2025

Date of Examination 17/04/2025

(All the Analytical Results are in mg/Litre except pH, Turbidity)

| Sr. No. | TEST PARAMETER | (1) | (2) | (3) | BIS Specification 10500 : 2012 Normal Values | |
|---------|-------------------------------------|------------------|-----|-----|--|--------------------|
| | | | | | Desirable Limits | Permissible Limits |
| | | Well water | | | | |
| 1. | Physical Appearance | Clear Colourless | | | -- | -- |
| 2. | Odour | Odourless | | | Aggreable | Aggreable |
| 3. | Turbidity (as N.T.U.) | 0.23 | | | 1.0 | 5.0 |
| 4. | pH Value | 7.55 | | | 6.5 to 8.5 | No relaxation |
| 5. | Fluoride as F | 1.123 | | | 1.0 | 1.5 |
| 6. | Nitrates (as NO ₃) | 6.59 | | | 45 | No relaxation |
| 7. | Total Dissolved solid | 405 | | | 500 | 2000 |
| 8. | Iron as Fe | 0.0098 | | | 0.3 | No relaxation |
| 9. | Chloride as Cl | 29.99 | | | 250 | 1000 |
| 10. | Total Hardness as CaCO ₃ | 138 | | | 200 | 600 |
| 11. | Alklinity as CaCO ₃ | 140 | | | 200 | 600 |
| 12. | Calcium as Ca ⁺⁺ | 21.60 | | | 75 | 200 |
| 13. | magnesium as Mg ⁺⁺ | 20.41 | | | 30 | 100 |
| 14. | | | | | | |
| 15. | | | | | | |
| 16. | | | | | | |
| 17. | | | | | | |
| 18. | | | | | | |
| 19. | | | | | | |
| 20. | | | | | | |

This report is restricted only for the Sample/s is Submitted to this Laboratory.
This Sample/s is / are not Collected by this Laboratory.

REMARKS

- A) Sample No. (s) 13 is/are potable / chemically fit for drinking purpose on the basis of analysed parameters only.

However, this / these water source/s can be used for drinking purpose only after proper treatment, disinfection and ascertaining it's bacteriological quality frequently or regularly.

- B) Sample No. (s) 13 Contains

The water sample is exceeding the desirable limit of fluoride ions with value as 1.123.

However, if there is no any other alternate source available nearby then this / these water Source/s can be used for drinking purpose only after proper treatment, disinfection and ascertaining it's bacteriological quality frequently or regularly.

- C) Sample No. (s) _____ Contains _____

Hence, this / these water source/s is /are chemically non potable / unfit for drinking purpose on the basis of analysed parameters only.

HEALTH SERVICES

No.

RPHL/III/97/ 5202 /25

Date: 28/04/2025

Forwarded to Compliments To: Shri. Swami Narayan

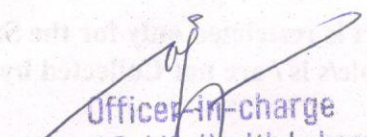
Gurukul, Wadada

Tal. Kamathi, Dist. Nagpur - 441104

With reference to letter No. _____ Dated :

Fees Rs.

Receipt No. and Date :


Officer-in-charge
Regional Public Health Laboratory
NAGPUR-440 001