

# Public Health Engineering Department District Water- Testing Laboratory Gwalior

## Test Report

Type of sample: Water Sample      Particular of sample : collected / not collected by PHED  
Particular of sender:- PRINCIPAL ADITYA WORLD SCHOOL NAINAGIR GWALIOR ,M.P.

| Sample No. | Place of Collection and Details of Sample | Date of collection |
|------------|---|--------------------|
| 1          | Drinking water                            | 28.08.2024         |
| 2          | -   | -                  |
| 3          | -   | -                  |
| 4          | -   | -                  |

Particular of Sample :

Date of Receipt: 28.08.2024

Time of Receipt: 04:10 PM

Lab Reference No:

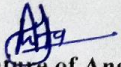
Date of Analysis: 29.08.2024

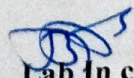
Nature of Study – Chemical and Bacteriological Analysis

| Nature of Study – Chemical and Bacteriological Analysis |                   |            |   |  | RESULT          |          |          |          |   |
|---|-------------------|------------|---|--|-----------------|----------|----------|----------|---|
| S.N.  | Characteristics   | Unit       | As Per BIS-10500-2012<br>For Drinking Water |  |                 |          |          |          |   |
|   |                   |            | Acceptable Value                            | Permissible limit<br>in the absence of<br>alternate source | Sample 1        | Sample 2 | Sample 3 | Sample 4 |   |
| <b>PHYSICAL TESTE</b>                                   |                   |            |   |  |                 |          |          |          |   |
| 1   | Turbidity         | NTU        | 1.0   | 5.0  | 1.0             | -        | -        | -        | - |
| 2   | Color             | Cobalt     | 5   | 15   | -               | -        | -        | -        | - |
| 3   | Taste & Odour     |            | Unobjectionable                             | Objectionable  | Unobjectionable | -        | -        | -        | - |
| 4   | Temperature       | C°         | -   | -  | -               | -        | -        | -        | - |
| <b>CHEMICAL TESTE</b>                                   |                   |            |   |  |                 |          |          |          |   |
| 5   | PH Value          | PH Scale   | 6.5 To 8.5                                  | No Relaxation  | 6.8             | -        | -        | -        | - |
| 6   | Alkalinity        | Mg/L       | 200   | 600  | 28              | -        | -        | -        | - |
| 7   | Chlorides (as Cl) | Mg/L       | 250   | 1000   | 15              | -        | -        | -        | - |
| 8   | Nitrate as No3    | Mg/L       | 45  | 45   | 02              | -        | -        | -        | - |
| 9   | Total hardness    | Mg/L       | 200   | 600  | 22              | -        | -        | -        | - |
| 10  | Calcium as Ca     | Mg/L       | 75  | 200  | 05              | -        | -        | -        | - |
| 11  | Calcium as Ca     | Mg/L       | 30  | 100  | 02              | -        | -        | -        | - |
| 11  | Magnesium as mg   | Mg/L       | 0.3   | 1.0  | 0.10            | -        | -        | -        | - |
| 12  | Iron              | Mg/L       | 0.2   | 1.0  | 0.0             | -        | -        | -        | - |
| 13  | Free Chlorine     | Mg/L       | 500   | 2000   | 46              | -        | -        | -        | - |
| 14  | T.D.S.            | Mg/L       | 1.0   | 1.5  | 0.10            | -        | -        | -        | - |
| 15  | Fluoride          | Mg/L       | 200   | 400  | 01              | -        | -        | -        | - |
| 16  | Sulphate sa SO4   | Mg/L       |   |  |                 |          |          |          |   |
| <b>BECT. FEACAL TESTE</b>                               |                   |            |   |  |                 |          |          |          |   |
| 17  | MPN of coliform   | per 100 ml | Nil   |  | Nil             | -        | -        | -        | - |
| 18  | Faecal Coliform   | Per 100 ml | Nil   |  |                 | -        | -        | -        | - |

...fully without approval of signatory authorities for legal purposes.  
...these mentioned under "Acceptable" render the water not suitable  
...in the absence of alternate

1. This report should not be provided partially or fully without approval of signatory authorities for legal purposes.  
2. It is Recommended that acceptable limit is to be implemented values in excess those mentioned under "Acceptable" render the water not suitable, but still may be tolerated in the absence of an alternative source, but up to the limits indicated under the "permissible limit in the absence of alternate Source"  
3. The results refer only to tested samples and parameters tested.  
4. samples will be stored for a period of 10 days from the date of issue of report.  
5. This Lab does not hold any responsibility for variation in results for samples kept on hold for want of clarification.

  
Signature of Analyst  
District Lab Gwalior

  
Lab In charge  
P.H.E.D. Division Gwalior (M.P.)

No. 281 /PHED/ Date :- 05/09/2024

# Public Health Engineering Department District Water- Testing

## Laboratory Gwalior

### Test Report

Type of sample: Water Sample

Particular of sender:- PRINCIPAL ADITYA WORLD SCHOOL NAINAGIR GWALIOR, M.P. Particular of sample : collected / not collected by PHED

| Sample No. | Place of Collection and Details of Sample | Date of collection |
|------------|---|--------------------|
| 1          | Drinking water                            | 28.08.2024         |
| 2          | -   | -                  |
| 3          | -   | -                  |
| 4          | -   | -                  |

Particular of Sample :

Date of Receipt: 28.08.2024

Time of Receipt: 04:10 PM

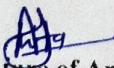
Lab Reference No:

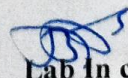
Date of Analysis: 29.08.2024

Nature of Study – Chemical and Bacteriological Analysis

| Microbiological Analysis  |                   |            |   |  |                 |          |          |          |
|---|-------------------|------------|---|--|-----------------|----------|----------|----------|
| S.N.  | Characteristics   | Unit       | As Per BIS-10500-2012<br>For Drinking Water |  | RESULT          |          |          |          |
|   |                   |            | Acceptable Value                            | Permissible limit<br>in the absence of<br>alternate source | Sample 1        | Sample 2 | Sample 3 | Sample 4 |
| PHYSICAL TESTE  |                   |            |   |  |                 |          |          |          |
| 1   | Turbidity         | NTU        | 1.0   | 5.0  | 1.0             | -        | -        | -        |
| 2   | Color             | Cobalt     | 5   | 15   | -               | -        | -        | -        |
| 3   | Taste & Odour     |            | Unobjectionable                             | Objectionable  | Unobjectionable | -        | -        | -        |
| 4   | Temperature       | C°         | -   | -  | -               | -        | -        | -        |
| CHEMICAL TESTE  |                   |            |   |  |                 |          |          |          |
| 5   | PH Value          | PH Scale   | 6.5 To 8.5                                  | No Relaxation  | 6.8             | -        | -        | -        |
| 6   | Alkalinity        | Mg/L       | 200   | 600  | 28              | -        | -        | -        |
| 7   | Chlorides (as Cl) | Mg/L       | 250   | 1000   | 15              | -        | -        | -        |
| 8   | Nitrate as No3    | Mg/L       | 45  | 45   | 02              | -        | -        | -        |
| 9   | Total hardness    | Mg/L       | 200   | 600  | 22              | -        | -        | -        |
| 10  | Calcium as Ca     | Mg/L       | 75  | 200  | 05              | -        | -        | -        |
| 11  | Magnesium as mg   | Mg/L       | 30  | 100  | 02              | -        | -        | -        |
| 12  | Iron              | Mg/L       | 0.3   | 1.0  | 0.10            | -        | -        | -        |
| 13  | Free Chlorine     | Mg/L       | 0.2   | 1.0  | 0.0             | -        | -        | -        |
| 14  | T.D.S.            | Mg/L       | 500   | 2000   | 46              | -        | -        | -        |
| 15  | Fluoride          | Mg/L       | 1.0   | 1.5  | 0.10            | -        | -        | -        |
| 16  | Sulphate sa SO4   | Mg/L       | 200   | 400  | 01              | -        | -        | -        |
| BECT. FEACAL TESTE  |                   |            |   |  |                 |          |          |          |
| 17  | MPN of coliform   | per 100 ml | Nil   |  | -               | -        | -        | -        |
| 18  | Faecal Coliform   | Per 100 ml | Nil   |  | Nil             | -        | -        | -        |
| Without approval of signatory authorities for legal purposes.   |                   |            |   |  |                 |          |          |          |
| If the water is not found to be "Acceptable" under "Acceptable" render the water not safe for drinking. |                   |            |   |  |                 |          |          |          |

1. This report should not be provided partially or fully without approval of signatory authorities for legal purposes.
2. It is Recommended that acceptable limit is to be implemented values in excess those mentioned under "Acceptable" render the water not suitable, but still may be tolerated in the absence of an alternative source.
3. The results refer only to tested samples and parameters tested.
4. samples will be stored for a period of 10 days from the date of issue of report.
5. This Lab does not hold any responsibility for variation in results for samples kept on hold for want of clarification.

  
Signature of Analyst  
District Lab Gwalior

  
Lab In charge  
P.H.E.D. Division Gwalior (M.P.)

No. 281 /PHED/ Date :- 05/09/2024