



OFFICE OF THE CHEMIST
WATER TESTING LABORATORY PUBLIC HEALTH
ENGINEERING DEPARTMENT, FATEHABAD
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Chemical Examination Report of Water Sample

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|--|--------------------------------------|--|--|--|---|-------------|
| Test Report No :- FTBD/01085/6/2025 | | | Issue Date :- 30-06-2025 | | | TC-12220 |
| Issue To:-Mahatma Buddha International School , Bhuna Road, Village Madhuwana Teh. Tohana , Distt. Fatehabad | | | Location:- W/s Mahatma Buddha International School | | | |
| Your Reference No – By Hand Date 27-06-2025 | | | Collected By :- Sender himself | | | |
| Sample Type – Drinking Water | | | Sample Received Date & Time :- 27-06-2025 | | | |
| Lab Job Order No.- 2389607 | | | Sample Received Date & Time :- 27-06-2025 | | | |
| Date(s) of Analysis :- 27-06-2025 to 30-06-2025 | | | Sample Quantity :- 1 Ltr | | | |
| Eviormental Condtion :- Temp. 25± 2 °C Humidity 55 ± 15 % | | | | | | |
| Results | | | | | | |
| S. No. | Parameter | Protocol Used | Results | IS: 10500:2012 (Second Revision) RA- 2018 | | Unit |
| | | | | Desirable limit | Max. Permissible limit (in absence better alternate source) | |
| 1 | Total Dissolved Solids @ 180°c ± 2°c | APHA 24th Edition - 2540 C | 165 | 600 | 2000 | mg/L |
| 2 | Total Hardness (as CaCo3) | APHA 24th Edition-2340- Hardness Method C (EDTA Method): | 120 | 200 | 600 | mg/L |
| 3 | Calcium (as Ca) | APHA 24th Edition 3500-C | 20.04 | 75 | 200 | mg/L |
| 4 | Magnesium (as Mg) | APHA 24th Edition 3500-Mg Method B (Calculation) | 17.01 | 30 | 100 | mg/L |
| 5 | Total Alkalinity (as CaCo3) | APHA 24th Edition-2320- Method B (Titration) | 70 | 200 | 600 | mg/L |
| 6 | Chloride (as Cl) | APHA 24th Edition 4500-Cl Method B(Agrentometric Method) 2017 | 49.9 | 250 | 1000 | mg/L |
| 7 | pH @ 25°c | APHA 24th Edition 4500-H+Method B | 7.86 | 6.5 -8.5 | No relaxation | - |
| 8 | Turbidity | APHA 24th Edition - 2130 | 0.16 | 1 | 5 | NTU |
| 9 | Taste | IS 3025 (PART-7) | Agreeable | Agreeable | Agreeable | - |
| 10 | Odour | IS 3025 (PART-5) | Agreeable | Agreeable | Agreeable | - |
| 11 | Color | APHA 24th Edition 2120 B | <5 | 5 Hazen | 15 Hazan Units | Hazen Units |

Remarks:-The Parameter Tested at Sr.No 1-11 as per requirement of IS:10500:2012 second Revision (RA2018).

Notes:

- The results given above are related to the sample as received and tested in PHED Lab, Fatehabad Reliability of sample lies with the sender.
- The test report can't be regenerated/re-produced in whole or in part without written permission of Laboratory.
- The test report can't be used for any publicity or any legal purpose.
- The test samples meant for chemical analysis will be disposed off after 15 days from the date of issue of test report unless until specifically requested by the customer for retaining over a longer period.

(Kanchan Bishnoi)
Authorized Signatory/Chemist
PHED Water Testing Laboratory, Fatehabad



OFFICE OF THE CHEMIST

WATER TESTING LABORATORY PUBLIC HEALTH ENGINEERING DEPARTMENT, FATEHABAD

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Environmental Condition :- Temp. 25 ± 2 °C Humidity 55 ± 15 %

Results

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|--------|-------------------------------|--|---------|--|---|------|
| | | | | Desirable limit | Max. Permissible limit (in absence better alternate source) | |
| 12 | Iron | APHA 3500-Fe B, 2017 23rd Edition 2017 | 0.02 | 1.0 | 1.0 | mg/L |
| 13 | Sulphate | APHA 4500 E 23rd Edition 2017 | 16 | 200 | 400 | mg/L |
| 14 | Fluoride (as F) | APHA 4500 -F D, 2017 23rd Edition 2017 | 0.16 | 1.0 | 1.5 | mg/L |
| 15 | Nitrate (as NO ₃) | APHA 4500-NO ₃ -D: 2017 23rd Edition 2017 | 1.23 | 45 | No relaxation | mg/L |

**Remarks:-The Parameter Tested at Sr.No 12-15 as per requirement of IS:10500:2012 second Revision (RA2018).
Note**

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