



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

Test Report No :- FTBD/01476/8/2025		Issue Date :- 19-08-2025		TC-12220		
Issue To:-Principal		Location:- SBP DAV C Public School, 3-Km Stone, Bighar Road				
Your Reference No - By Hand Date 18-08-2025		Collected By :- Sender himself				
Sample Type - Drinking Water		Sample Received Date & Time :- 18-08-2025				
Lab Job Order No.- 2425983		Sample Received Date & Time :- 18-08-2025				
Date(s) of Analysis :- 18-08-2025 to 19-08-2025		Sample Quantity :- 1 Ltr				
Eviornmental Condition :- Temp. 25± 2 °C Humidity 55 ± 15 %						
<b>Results</b>						
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	98	600	2000	mg/L
2	Total Hardness (as CaCo3)	APHA 24th Edition-2340-Hardness Method C ( EDTA Method):	60	200	600	mg/L
3	Calcium (as Ca)	APHA 24th Edition 3500-C	12.024	75	200	mg/L
4	Magnesium (as Mg)	APHA 24th Edition 3500-Mg Method B (Calculation)	7.29	30	100	mg/L
5	Total Alkalinity (as CaCo3)	APHA 24th Edition-2320-Method B ( Titration )	50	200	600	mg/L
6	Chloride (as Cl)	APHA 24th Edition 4500-Cl Method B( Argentometric Method) 2017	9.9	250	1000	mg/L
7	pH @ 25°C	APHA 24th Edition 4500-H+Method B	8.1	6.5 -8.5	No relaxation	-
8	Turbidity	APHA 24th Edition - 2130	0.25	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.

*Anita*  
Sample analyzed by

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



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Environmental Condition :- 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)	
12	Iron	APHA 3500-Fe B,2017 23rd Edition 2017	0.08	1.0	1.0	mg/L
13	Sulphate	APHA 4500 E 23rd Edition 2017	14	200	400	mg/L
14	Fluoride (as F)	APHA 4500 -F D,C2017 23rd Edition 2017	0.24	1.0	1.5	mg/L
15	Nitrate (as NO <sub>3</sub> )	APHA 4500-NO <sub>3</sub> -D:2017 23rd Edition 2017	10.56	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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