



**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/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	

**Evironmental Condition :- Temp.  $25 \pm 2$  °C Humidity  $55 \pm 15$  %**

**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 @ $180^{\circ}\text{C} \pm 2^{\circ}\text{C}$	APHA 24th Edition - 2540 C	165	600	2000	mg/L
2	Total Hardness (as CaCO <sub>3</sub> )	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 CaCO <sub>3</sub> )	APHA 24th Edition-2320-Method B ( Titration )	70	200	600	mg/L
6	Chloride (as Cl)	APHA 24th Edition 4500-Cl Method B( Aqrentometric Method) 2017	49.9	250	1000	mg/L
7	pH @ $25^{\circ}\text{C}$	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 Hazen 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



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**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	0.02	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,C2017 23rd Edition 2017	0.16	1.0	1.5	mg/L
15	Nitrate (as NO <sub>3</sub> )	APHA 4500-NO3-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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