



OFFICE OF THE CHEMIST
WATER TESTING LABORATORY PUBLIC HEALTH
ENGINEERING DEPARTMENT, FATEHABAD

E-mail:-chemist.fatehabad@phedharyana.gov.in,



Chemical Examination Report of Water Sample

Test Report No :- FTBD/01129/6/2024	Issue Date :- 24-06-2024	TC-12220
Issue To:- Sharda Sr. Sec. School, Fatehabad	Location :- W/s Sharda Sr. Sec. School, Fatehabad	
Your Reference No - By Hand Date 20-06-2024	Collected By :- Sender himself	
Sample Type - Drinking Water	Sample Received Date & Time :- 21-06-2024	
Lab Job Order No.- PC - 2068525	Sample Received Date & Time :- 21-06-2024	
Date(s) of Analysis :- 21-06-2024 to 24-06-2024	Sample Quantity :- 1 Ltr	

Environmental Condition :- Temp. $25 \pm 2^\circ\text{C}$ 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	136	600	2000	mg/L
2	Total Hardness (as CaCO_3)	APHA 24th Edition-2340-Hardness Method C (EDTA Method):	100	200	600	mg/L
3	Calcium (as Ca)	APHA 24th Edition 3500-C	32.064	75	200	mg/L
4	Magnesium (as Mg)	APHA 24th Edition 3500-Mg Method B (Calculation)	4.86	30	100	mg/L
5	Total Alkalinity (as CaCO_3)	APHA 24th Edition-2320-Method B (Titration)	90	200	600	mg/L
6	Chloride (as Cl)	APHA 24th Edition 4500-Cl Method B(Argentometric Method) 2017	39.90	250	1000	mg/L
7	pH @ 25°C	APHA 24th Edition 4500-H+Method B	7.93	6.5 -8.5	No relaxation	-
8	Turbidity	APHA 24th Edition - 2130	0.35	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.

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Sample analyzed by

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



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E-mail:-chemist.fatehabad@phedharyana.gov.in, chemistftbad7@gmail.com



Chemical Examination Report of Water Sample

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Issue To:- Sharda Sr. Sec. School, Fatehabad	Location :- W/s Sharda Sr. Sec. School,Fatehabad
Your Reference No - By Hand Date 20-06-2024	Collected By :- Sender himself
Sample Type - Drinking Water	Sample Received Date & Time :- 21-06-2024
Lab Job Order No.- PC - 2068525	Sample Received Date & Time :- 21-06-2024
Date(s) of Analysis :- 21-06-2024 to 24-06-2024	Sample Quantity :- 1 Ltr

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	0.06	1.0	1.0	mg/L
13	Sulphate	APHA 4500 E 23rd Edition 2017	15	200	400	mg/L
14	Fluoride (as F)	APHA 4500 -F D,C2017 23rd Edition 2017	0.21	1.0	1.5	mg/L
15	Nitrate (as NO ₃)	APHA 4500-NO ₃ -D:2017 23rd Edition 2017	1.56	45	No relaxation	mg/L

Remarks:-The Parameter Tested at Sr.No 7-11 as per requirement of IS:10500:2012 second Revision (RA2018).

Note

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(Kanchan Bishnoi)

Authorized Signatory/Chemist
PHED Water Testing Laboratory,Fatehabad

Sample analyzed by

Memo No:-

Date:-

Subject : Bacteriological Examination Report of Water Sample

Sample ID: FTBD/01128/6/2024		Sample Details	Date & Time
Sample Classification: Private		Collected By	Hardeep Kumar,9996024785
Sender: Sharda Sr. Sec. School, Fatehabad32884		Collection Date	20/06/2024 at 16:12
Location :- , Bhattu Road Fatehabad		Received at lab	20/06/2024 at 16:20
Latitude :- 75.429101 Longitude :- 29.493915		Tested at Lab	24/06/2024

Test Result (As Per BIS 10500 :2012)


S.No.	Tested Parameter	Result	Requirement (Acceptable Limit)	Protocol Used
1	Total Coliform per 100 ml	0	Shall not be detectable in any 100 ml sample	IS 15185:2016/ APHA 9221C; 2017

Remarks :-

- * The Results Given above are related to the sample as received and tested in FATEHABAD lab.
- * The test report can't be regenerated in whole or part there of without written permission of Competent Authority.
- * The test report can't be used for any publicity or any legal purpose.
- * Reliability of water sample sample lies with sender/collector of water sample.
- * To check the sample report online Scan the QR Code below.

Water Sample has been found "**CONFORMING**" to Limits set in BIS10500:2012 for the tested parameters. Based on the tested parameters,the water sample is found "**POTABLE**"




KANCHAN BISHNOI,CHEMIST
PUBLIC HEALTH ENGINEERING DEPARTMENT
DISTRICT WATER TESTING
LABORATORY FATEHABAD
email:-chemist.ftbad@phedharyana.gov.in

-----End of Report-----.