

PUBLIC HEALTH ENGINEERING DEPARTMENT

DISTRICT WATER TESTING LABORATORY, MAHENDRAGARH

Website:- https://phedharyana.gov.in/

Memo No:- 2390 Date:- 21/08/2025

Subject: Physical / Chemical Examination Report of Water Sample

Sample ID/Classification: MHD/05875/8/2025 / Private

Sender: Virender

Location: , Ujjawal senior secondary

school.Bawania

Sample Description: Drinking Water

Latitute / Longitude: 76.231728 / 28.253586

Sample Details	Date & Time	
Collected By	Virender	
Collection Date	20/08/2025 at 15:24	
Received at lab	20/08/2025 at 15:28	
Analysis Start Date	21/08/2025	
Analysis End Date	21/08/2025	
Sample Quantity	1 ltr.	

Test Result (As Per BIS 10500 :2012)				
Tested Parameter	Result	Requirement (Acceptable Limit)	Permissible Lmt. (In the Absence of Alternate Source)	Protocol Used
Turbidity	0.21	1 NTU	5 NTU	APHA 24th Edition -2130 B
Taste	Agreeable	Agreeable	Agreeable	IS 3025 (Part-8) : 2023
Odour	Agreeable	Agreeable	Agreeable	IS 3025 (Part-5) : 2018
Color	05	5 Hazen Units	15 Hazen Units	APHA 24th Edition-2120-B
Total Dissolved Solids @ 180°c ± 2°c	310	500 mg/lt.	2000 mg/lt.	APHA 24th Edition -2540 C
Total Hardness as CaCo3	180	200 mg/lt.	600 mg/lt.	APHA 24th Edition -2340 C
Calcium as Ca	24.04	75 mg/lt.	200 mg/lt.	APHA 24th Edition-3500-Ca B
Magnesium as Mg	24.3	30 mg/lt.	100 mg/lt.	APHA 24th Edition -3500 Mg B
Total Alkalinity	190	200 mg/lt.	600 mg/lt.	APHA 24th Edition -2320 B
Chloride as Cl	104.96	250 mg/lt.	1000 mg/lt.	APHA 24th Edition -4500 CI-B
Sulphate as So4	90	200 mg/lt.	400 mg/lt.	USEPA / APHA 24th -4500 SO4-E
Fluoride as F	0.99	1.0 mg/lt.	1.5 mg/lt.	APHA 24th Edition 4500 F-D:
Iron as Fe	0.21	1.0 mg/lt.	1.0 mg/lt.	USEPA
Nitrate as No3	2.3	45 mg/lt.	45 mg/lt.	APHA 24th Edition -4500 NO3 D
pH @ 25°c	7.28	6.5 - 8.5	6.5 - 8.5	APHA 24th Edition 4500-H+ B
	Turbidity Taste Odour Color Total Dissolved Solids @ 180°c ± 2°c Total Hardness as CaCo3 Calcium as Ca Magnesium as Mg Total Alkalinity Chloride as Cl Sulphate as So4 Fluoride as F Iron as Fe Nitrate as No3	Tested Parameter Turbidity Taste Odour Color Total Dissolved Solids @ 180°c ± 2°c Total Hardness as CaCo3 Calcium as Ca Magnesium as Mg Total Alkalinity Chloride as Cl Sulphate as So4 Fluoride as F Nitrate as No3 Ca21 Result Result Result Result Result 192 449 449 449 440 440 440 440 4	Tested Parameter Result Requirement (Acceptable Limit) Calcium as Ca Magnesium as Mg Total Alkalinity Chloride as Cl Sulphate as So4 Fluoride as F Nitrate Parameter Result Requirement (Acceptable Limit) 1 NTU Agreeable Agreeable Agreeable Agreeable Agreeable Agreeable Agreeable So0 mg/lt. 500 mg/lt. 500 mg/lt. 24.04 75 mg/lt. 24.04 250 mg/lt. 250 mg/lt. 200 mg/lt. 104.96 250 mg/lt. 104.96 250 mg/lt. 104.96 250 mg/lt. 10 mg/lt. Iron as Fe 0.21 Nitrate as No3 A5 mg/lt.	Tested Parameter Result (Acceptable Limit) Permissible Lmt. (In the Absence of Alternate Source) Turbidity 0.21 1 NTU 5 NTU Taste Agreeable Agreeable Agreeable Odour Agreeable Agreeable Agreeable Color 05 5 Hazen Units 15 Hazen Units Total Dissolved Solids @ 180° c ± 2°c 310 500 mg/lt. 2000 mg/lt. Total Hardness as CaCo3 180 200 mg/lt. 600 mg/lt. Calcium as Ca 24.04 75 mg/lt. 200 mg/lt. Magnesium as Mg 24.3 30 mg/lt. 100 mg/lt. Total Alkalinity 190 200 mg/lt. 600 mg/lt. Chloride as Cl 104.96 250 mg/lt. 1000 mg/lt. Sulphate as So4 90 200 mg/lt. 400 mg/lt. Fluoride as F 0.99 1.0 mg/lt. 1.5 mg/lt. Iron as Fe 0.21 1.0 mg/lt. 45 mg/lt. Nitrate as No3 2.3 45 mg/lt. 45 mg/lt.

Remarks :-

- * The Results Given above are related to the sample as received and tested in PHED MAHENDRAGARH 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.
- * The test samples meant for chemical analysis will be disposed off after 7 days from the data of issue of test report unless untill specifically requested by the customer for retaining over a longer period.

Water Sample has been found "CONFORMING" to Limits set in BIS10500:2012 for the tested parameters.



Sample analyzed by:

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