

PUBLIC HEALTH ENGINEERING DEPARTMENT

DISTRICT WATER TESTING LABORATORY ,GWALIOR – (MP)

Memo No:- 278

Date:- 04/06/2025

Subject : Physical / Chemical Examination Report of Water Sample

Sample ID/Classification : MHD/0186/9/2025 / Private	Sample Details	Date & Time
Sender : CBS Convent Senior Secondary School	Collected By	
Location : Village – Chakjagrupura, Morar, Gwalior	Collection Date	28/05/2025 at 13:22
Sample Description : Drinking Water	Received at lab	28/05/2025 at 16:56
Latitude / Longitude : 26.303358 / 78.160663	Analysis Start Date	30/05/2025
	Analysis End Date	31/05/2025
	Sample Quantity	1 ltr.

Test Result (As Per BIS 10500 :2012)

S.No.	Tested Parameter	Result	Requirement (Acceptable Limit)	Permissible Limit (In the Absence of Alternate Source)	Protocol Used
1	Total Dissolved Solids @ 180°C ± 2°C	230	500 mg/ltr.	2000 mg/ltr.	APHA2540 C; 2017
2	Total Hardness as CaCo ₃	120	200 mg/ltr.	600 mg/ltr.	APHA2340 C; 2017
3	Calcium as Ca	16.03	75 mg/ltr.	200 mg/ltr.	APHA3500-Ca B; 2017
4	Magnesium as Mg	19.44	30 mg/ltr.	100 mg/ltr.	APHA3500 Mg B; 2017
5	Iron as Fe	0.10	1.0 mg/ltr.	1.0 mg/ltr.	APHA3500-Fe B; 2017
6	Chloride as Cl	104.96	250 mg/ltr.	1000 mg/ltr.	APHA4500 Cl-B; 2017
7	Sulphate as So ₄	23	200 mg/ltr.	400 mg/ltr.	APHA4500-So ₄ -E
8	Fluoride as F	0.43	1.0 mg/ltr.	1.5 mg/ltr.	APHA 4500-D; 2017
9	Nitrate as No ₃	1.2	45 mg/ltr.	45 mg/ltr.	APHA 4500-NO ₃ - D
10	pH @ 25°C	7.04	6.5 - 8.5	6.5 - 8.5	APHA4500-H+ B; 2017
11	Total Alkalinity	70	200 mg/ltr.	600 mg/ltr.	APHA 2320 B; 2017
12	Color	05	5 Hazen Units	15 Hazen Units	APHA 2120-B
13	Odour	Agreeable	Agreeable	Agreeable	IS 3025 (Part-5) : 1984 (RA 2018)
14	Taste	Agreeable	Agreeable	Agreeable	IS 3025 (Part-8) : 1984 (RA 2017)
15	Turbidity	0.21	1 NTU	5 NTU	APHA2130 B; 2017

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 15 days from the data of issue of test report unless until 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.
Based on the tested parameters,the water sample is found "**POTABLE**"

Sampe analyzed by :

R. K. Agrawal, Chemist District Water
Testing Laboratory, Gwalior

----- END OF TEST REPORT -----