

Memo No:- 2159

Date:- 29/11/2023

Subject : **Physical / Chemical Examination Report of Water Sample**

HC-913

Sample ID/Classification :	Sample Details	Date & Time
HSR/03031/11/2023 / Private	Collected By	
Sender : PM SHRI GMSSSS GANGWA (HISAR)26545	Collection Date	24/11/2023 at 11:50
Location : PM SHRI GMSSSS GANGWA HISAR	Received at lab	24/11/2023 at 12:38
Sample Description : Drinking Water	Analysis Start Date	24/11/2023
Latitude / Longitude : 75.697646 / 29.113691	Analysis End Date	29/11/2023
	Sample Quantity	2 Ltr.

Test Result (As Per BIS 10500 :2012)

S.No.	Tested Parameter	Result	Requirement (Acceptable Limit)	Permissible Lmt. (In the Absence of Alternate Source)	Protocol Used
1	Total Dissolved Solids @ 180°C ± 2°C	244	500 mg/lt.	2000 mg/lt.	APHA 24th Edition -2540 C
2	Total Hardness as CaCo ₃	132.8	200 mg/lt.	600 mg/lt.	APHA 24th Edition -2340 C
3	Calcium as Ca	30.46	75 mg/lt.	200 mg/lt.	APHA 24th Edition-3500-Ca B
4	Magnesium as Mg	13.80	30 mg/lt.	100 mg/lt.	APHA 24th Edition -3500 Mg B
5	Iron as Fe	0.02	1.0 mg/lt.	1.0 mg/lt.	USEPA
6	Chloride as Cl	36.86	250 mg/lt.	1000 mg/lt.	APHA 24th Edition -4500 Cl-B
7	Sulphate as So ₄	45	200 mg/lt.	400 mg/lt.	USEPA / APHA 24th -4500 SO ₄ -E
8	Fluoride as F	0.16	1.0 mg/lt.	1.5 mg/lt.	APHA 24th Edition-4500F C/
9	Nitrate as No ₃	0.84	45 mg/lt.	45 mg/lt.	APHA 24th Edition -4500 NO ₃ D
10	pH @ 25°C	6.81	6.5 - 8.5	6.5 - 8.5	APHA 24th Edition 4500-H+ B
11	Total Alkalinity	102.8	200 mg/lt.	600 mg/lt.	APHA 24th Edition -2320 B

Remarks :-

- * The Results Given above are related to the sample as received and tested in PHED HISAR 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 date 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"**



Sample analyzed by :

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