

Memo No:- 5123

Date:- 22/12/2023

Certificate
No: TC-8407

Subject : Physical / Chemical Examination Report of Water Sample

Sample ID/Classification : KNL/06757/12/2023 / Private	Sample Details	Date & Time
Sender : BIR SINGH27096	Collected By	
Location : , GSSS GARHI BIRBAL	Collection Date	21/12/2023 at 20:28
Sample Description : Drinking Water	Received at lab	22/12/2023 at 10:37
Latitude / Longitude : 77.156604 / 29.910367	Analysis Start Date	22/12/2023
	Analysis End Date	22/12/2023
	Sample Quantity	1000ML

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	196	500 mg/lit.	2000 mg/lit.	IS 3025 (Part-16) : 2023
2	Total Hardness as CaCO ₃	105	200 mg/lit.	600 mg/lit.	IS 3025 (Part-21) : 2009 (RA 2023)
3	Calcium as Ca	22	75 mg/lit.	200 mg/lit.	IS 3025 (Part-40) : 1991 (RA 2023)
4	Magnesium as Mg	12.0	30 mg/lit.	100 mg/lit.	IS 3025 (Part-46) : 2023
5	Iron as Fe	0.01	1.0 mg/lit.	1.0 mg/lit.	USEPA-8008:2017
6	Chloride as Cl	16	250 mg/lit.	1000 mg/lit.	IS 3025 (Part-32) : 1988 (RA 2019)
7	Sulphate as SO ₄	11	200 mg/lit.	400 mg/lit.	USEPA-8051:2017
8	Fluoride as F	0.210	1.0 mg/lit.	1.5 mg/lit.	APHA 24th Edition-4500F C
9	Nitrate as NO ₃	0.8	45 mg/lit.	45 mg/lit.	APHA 24th Edition -4500 NO ₃ D
10	pH @ 25°C	6.77	6.5 - 8.5	6.5 - 8.5	IS 3025 (Part-11) : 2022
11	Total Alkalinity	110	200 mg/lit.	600 mg/lit.	IS 3025 (Part-23) : 1986 (RA 2019)
12	Color	<5	5 Hazen Units	15 Hazen Units	IS 3025 (Part 4): 2021
13	Odour	Agreeable	Agreeable	Agreeable	IS 3025 (Part-5) :1984 (RA 2018)
14	Taste	Agreeable	Agreeable	Agreeable	IS 3025 (Part-8) :1984 (RA 2022)
15	Turbidity	<1	1 NTU	5 NTU	IS 3025 (Part-10):1984 (RA 2022)

Remarks :-

- * The Results Given above are related to the sample as received and tested in PHED KARNAL 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.



Jayinder Singh
Sample analyzed by :

State Water Testing Laboratory
CHIEF CHEMIST
AMIT KUMAR CHIEF CHEMIST 22/12/23
STATE WATER TESTING LABORATORY KARNAL
email: chiefchemist.hr@phedharyana.gov.in