

Memo No:- 2366

Date:- 13/05/2024

Subject : Physical / Chemical Examination Report of Water Sample

Sample ID/Classification : KNL/01986/5/2024 / Private	Sample Details	Date & Time
Sender : The Principal, Shaheed Bhagat Singh Sr. Sec. Sch 31324	Collected By	School Staff
Location : , Gangathari - Popran, KNL	Collection Date	09/05/2024 at 14:38
Sample Description : Drinking Water	Received at lab	09/05/2024 at 15:04
Latitude / Longitude : 76.977624 / 29.687083	Analysis Start Date	09/05/2024
	Analysis End Date	10/05/2024
	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	410	500 mg/l.	2000 mg/l.	IS 3025 (Part-16) : 2023
2	Total Hardness as CaCO <sub>3</sub>	300	200 mg/l.	600 mg/l.	IS 3025 (Part-21) : 2009 (RA 2023)
3	Calcium as Ca	60	75 mg/l.	200 mg/l.	IS 3025 (Part-40) : 1991 (RA 2023)
4	Magnesium as Mg	36	30 mg/l.	100 mg/l.	IS 3025 (Part-46) : 2023
5	Iron as Fe	0.01	1.0 mg/l.	1.0 mg/l.	USEPA-8008:2017
6	Chloride as Cl	71	250 mg/l.	1000 mg/l.	IS 3025 (Part-32) : 1988 (RA 2019)
7	Sulphate as SO <sub>4</sub>	25	200 mg/l.	400 mg/l.	USEPA-8051:2017
8	Fluoride as F	0.450	1.0 mg/l.	1.5 mg/l.	APHA 24th Edition-4500F C
9	Nitrate as NO <sub>3</sub>	4.1	45 mg/l.	45 mg/l.	APHA 24th Edition -4500 NO <sub>3</sub> D
10	pH @ 25°C	7.35	6.5 - 8.5	6.5 - 8.5	IS 3025 (Part-11) : 2022
11	Total Alkalinity	330	200 mg/l.	600 mg/l.	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 7 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.



Sample analyzed by: *Jayinder Singh*

*Amit Kumar*  
AMIT KUMAR, CHIEF CHEMIST 13/05/24  
STATE WATER TESTING LABORATORY, KARNAL  
email: [chiefchemist@phedharyana.gov.in](mailto:chiefchemist@phedharyana.gov.in)