

Memo No:- 1567

Date:- 03/11/2023

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

Sample ID/Classification : KTL/02954/10/2023 / Private	<b>Sample Details</b>	<b>Date &amp; Time</b>
Sender : Principal, Kurukshetra Sr. Sec. School, Bhagal26212	Collected By	
Location : , Submersible, Kurukshetra Sr. Sec. School, Bhagal	Collection Date	31/10/2023 at 10:53
Sample Description : Drinking Water	Received at lab	31/10/2023 at 11:17
Latitude / Longitude : 76.427427 / 30.065515	Analysis Start Date	31/10/2023
	Analysis End Date	02/11/2023
	Sample Quantity	1000 ML

**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	142.0	500 mg/lit.	2000 mg/lit.	APHA 24th Edition -2540 C / IS:3025 (Part-16):2023
2	Total Hardness as CaCO <sub>3</sub>	45.0	200 mg/lit.	600 mg/lit.	APHA 24th Edition -2340 C / IS:3025 (Part-21):2009
3	Calcium as Ca	4.81	75 mg/lit.	200 mg/lit.	APHA 24th Edition-3500-Ca B/ IS:3025 (Part-40):1991
4	Magnesium as Mg	8.02	30 mg/lit.	100 mg/lit.	APHA 24th Edition 3500 Mg B / IS:3025 (Part-46):1994
5	Iron as Fe	<0.04	1.0 mg/lit.	1.0 mg/lit.	USEPA
6	Chloride as Cl	19.43	250 mg/lit.	1000 mg/lit.	APHA 24th Edition -4500 Cl-B / IS:3025 (Part-32):1988
7	Sulphate as SO <sub>4</sub>	15.95	200 mg/lit.	400 mg/lit.	USEPA
8	Fluoride as F	<0.1	1.0 mg/lit.	1.5 mg/lit.	APHA 24th Edition-4500F C / IS 3025 Part 60: 2008
9	Nitrate as NO <sub>3</sub>	<1.0	45 mg/lit.	45 mg/lit.	APHA 24th Edition -4500 NO <sub>3</sub> B
10	pH @ 25°C	7.63	6.5 - 8.5	6.5 - 8.5	APHA 24th Edition 4500-H+ B
11	Total Alkalinity	80.0	200 mg/lit.	600 mg/lit.	APHA 24th Edition -2320 B / IS:3025 (Part-23):1986
12	Color	<5.0	5 Hazen Units	15 Hazen Units	APHA 24th Edition-2120B / IS 3025 (Part-4) : 2021
13	Odour	Agreeable	Agreeable	Agreeable	IS 3025 (Part-5) : 2018
14	Taste	Agreeable	Agreeable	Agreeable	IS 3025 (Part-8) : 2023
15	Turbidity	<0.20	1 NTU	5 NTU	APHA 24th Edition -2130 B / IS:3025 (Part-10):1994

**Remarks :-**

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



Sample analyzed by :

SUBHASH CHANDER, CHEMIST  
DISTRICT WATER TESTING LABORATORY, KAITHAL  
email:-chemist.kaithal@phedharyana.gov.in