

Memo No:- 49

Date:- 13/01/2023

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

Sample ID/Classification : KTL/03895/1/2023 / Private	Sample Details	Date & Time
Sender : A XAVIERS INTERNATIONAL SCHOOL 17518	Collected By	
Location : WARD NO 14, BIRDTHE ROAD, GUHLA	Collection Date	09/01/2023 at 13:19
Sample Description : Drinking Water	Received at lab	09/01/2023 at 16:18
Latitude / Longitude : 76.340714 / 30.048113	Analysis Start Date	09/01/2023
	Analysis End Date	10/01/2023
	Sample Quantity	1000 ML

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	185.0	500 mg/lit.	2000 mg/lit.	APHA2540 C; 2017
2	Total Hardness as CaCO ₃	35.0	200 mg/lit.	600 mg/lit.	APHA2340 C; 2017
3	Calcium as Ca	4.01	75 mg/lit.	200 mg/lit.	APHA3500-Ca B; 2017
4	Magnesium as Mg	6.07	30 mg/lit.	100 mg/lit.	APHA3500 Mg B; 2017
5	Iron as Fe	0.03	1.0 mg/lit.	1.0 mg/lit.	APHA3500-Fe B; 2017
6	Chloride as Cl	17.0	250 mg/lit.	1000 mg/lit.	APHA4500 Cl-B; 2017
7	Sulphate as So ₄	14	200 mg/lit.	400 mg/lit.	APHA4500-So ₄ -E
8	Fluoride as F	0.24	1.0 mg/lit.	1.5 mg/lit.	APHA 4500-F-C
9	Nitrate as No ₃	<0.5	45 mg/lit.	45 mg/lit.	APHA 4500-NO ₃ - D
10	pH @ 25°C	7.36	6.5 - 8.5	6.5 - 8.5	APHA4500-H+ B; 2017
11	Total Alkalinity	105.0	200 mg/lit.	600 mg/lit.	APHA 2320 B; 2017
12	Color	2	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	<0.2	1 NTU	5 NTU	APHA2130 B; 2017

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 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"**

[Signature]
Manager
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