

Memo No:- 865

Date:- 18/05/2023

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

Sample ID/Classification : HSR/00664/5/2023 / Private	Sample Details	Date & Time
Sender : PM SHRI GOVT MODEL SANSKRITI SR.SEC. SCHOOL RAKH21167	Collected By	
Location : vpo- rakhi shahpur	Collection Date	16/05/2023 at 14:07
Sample Description : Drinking Water	Received at lab	17/05/2023 at 11:36
Latitude / Longitude : 76.104650 / 29.287222	Analysis Start Date	17/05/2023
	Analysis End Date	18/05/2023
	Sample Quantity	2 Ltr.

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	207	500 mg/lit.	2000 mg/lit.	APHA2540 C; 2017
2	Total Hardness as CaCO ₃	144	200 mg/lit.	600 mg/lit.	APHA2340 C; 2017
3	Calcium as Ca	43.44	75 mg/lit.	200 mg/lit.	APHA3500-Ca B; 2017
4	Magnesium as Mg	8.65	30 mg/lit.	100 mg/lit.	APHA3500 Mg B; 2017
5	Iron as Fe	0.02	1.0 mg/lit.	1.0 mg/lit.	APHA3500-Fe B; 2017
6	Chloride as Cl	36.88	250 mg/lit.	1000 mg/lit.	APHA4500 Cl-B; 2017
7	Sulphate as So ₄	49	200 mg/lit.	400 mg/lit.	APHA4500-So ₄ -E
8	Fluoride as F	0.183	1.0 mg/lit.	1.5 mg/lit.	APHA 4500-F--C
9	Nitrate as No ₃	0.88	45 mg/lit.	45 mg/lit.	APHA 4500-NO ₃ - D
10	pH @ 25°C	7.39	6.5 - 8.5	6.5 - 8.5	APHA4500-H+ B; 2017
11	Total Alkalinity	99.6	200 mg/lit.	600 mg/lit.	APHA 2320 B; 2017

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 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 :

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-----END OF TEST REPORT-----