

Memo No:- 305

Date:- 13/02/2023

Certificate
No: TC-8407

Subject : Physical / Chemical Examination Report of Water Sample

Sample ID/Classification :	KNL/08290/1/2023 / Private	Sample Details	Date & Time
Sender :	PRINCIPAL, MONTFORT WORLD SCHOOL 18073	Collected By	
Location :	AIRPORT ROAD, KUNJPURA, KARNAL	Collection Date	31/01/2023 at 11:04
Sample Description :	Drinking Water	Received at lab	31/01/2023 at 11:19
Latitude / Longitude :	76.976246 / 29.689990	Analysis Start Date	31/01/2023
		Analysis End Date	01/02/2023
		Sample Quantity	1000ML

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	290	500 mg/lit.	2000 mg/lit.	IS 3025 (Part-16) : 1984 (RA 2017)
2	Total Hardness as CaCO ₃	210	200 mg/lit.	600 mg/lit.	IS 3025 (Part-21) : 2009 (RA 2019)
3	Calcium as Ca	44	75 mg/lit.	200 mg/lit.	IS 3025 (Part-40) : 1991 (RA 2019)
4	Magnesium as Mg	24	30 mg/lit.	100 mg/lit.	IS 3025 (Part-46) : 1994 (RA 2019)
5	Iron as Fe	0.01	1.0 mg/lit.	1.0 mg/lit.	USEPA-8008:2017
6	Chloride as Cl	55	250 mg/lit.	1000 mg/lit.	IS 3025 (Part-32) : 1988 (RA 2019)
7	Sulphate as SO ₄	25	200 mg/lit.	400 mg/lit.	USEPA-8051:2017
8	Fluoride as F	0.410	1.0 mg/lit.	1.5 mg/lit.	APHA 4500-F--C
9	Nitrate as NO ₃	3.9	45 mg/lit.	45 mg/lit.	APHA 4500-NO ₃ - D
10	pH @ 25°C	7.40	6.5 - 8.5	6.5 - 8.5	IS 3025 (Part-11) : 1983 (RA 2017)
11	Total Alkalinity	230	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) : 1983 (RA 2017)
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	<1	1 NTU	5 NTU	IS 3025 (Part-10):1984 (RA 2017)

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 thereof without written permission of Competent Authority.
- The test report can't be used for any publicity or any legal purpose.
- Reliability of water 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.

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

[Signature]
13/02/23
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