

Memo No:- 4095

Date:- 22/05/2025

Subject : Physical / Chemical Examination Report of Water Sample

Sample ID/Classification :	Sample Details	Date & Time
KNL/03399/5/2025 / Private	Collected By	SBS SR SEC SCH...
Sender : Principal ,S.B.S.Sr.Sec.School	Collection Date	21/05/2025 at 12:57
Location : , Railway Road,Karnal	Received at lab	21/05/2025 at 12:59
Sample Description : Drinking Water	Analysis Start Date	21/05/2025
Latitude / Longitude : 76.979251 / 29.688238	Analysis End Date	22/05/2025
	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	Turbidity	<1	1 NTU	5 NTU	IS 3025 (Part-10):1984 (RA 2022)
2	Taste	Agreeable	Agreeable	Agreeable	IS 3025 (Part-8) :1984 (RA 2022)
3	Odour	Agreeable	Agreeable	Agreeable	IS 3025 (Part-5) :1984 (RA 2018)
4	Color	<5	5 Hazen Units	15 Hazen Units	IS 3025 (Part 4): 2021
5	Total Dissolved Solids @ 180°C ± 2°C	410	500 mg/lit.	2000 mg/lit.	IS 3025 (Part-16) : 2023
6	Total Hardness as CaCO ₃	210	200 mg/lit.	600 mg/lit.	IS 3025 (Part-21) : 2009 (RA 2023)
7	Calcium as Ca	44	75 mg/lit.	200 mg/lit.	IS 3025 (Part-40) :1991 (RA 2023)
8	Magnesium as Mg	24	30 mg/lit.	100 mg/lit.	IS 3025 (Part-46) (RA 2023)
9	Total Alkalinity	220	200 mg/lit.	600 mg/lit.	IS 3025 (Part-23) : 1986 (RA 2019)
10	Chloride as Cl	51	250 mg/lit.	1000 mg/lit.	IS 3025 (Part-32) :1988 (RA 2019)
11	Sulphate as SO ₄	19	200 mg/lit.	400 mg/lit.	USEPA-8051:2017
12	Fluoride as F	0.410	1.0 mg/lit.	1.5 mg/lit.	APHA 24th Edition-4500F C
13	Iron as Fe	0.02	1.0 mg/lit.	1.0 mg/lit.	USEPA-8008:2017
14	Nitrate as NO ₃	2.0	45 mg/lit.	45 mg/lit.	APHA 24th Edition -4500 NO ₃ D
15	pH @ 25°C	7.49	6.5 - 8.5	6.5 - 8.5	IS 3025 (Part-11) : 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 data of issue of test report unless until specifically requested by the customer for retaining over a longer period.



Sample analyzed by : *Joginder Singh*

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