

Memo No:- 2799

Date:- 21/05/2024

Certificate
No: TC-13659

Subject : Physical / Chemical Examination Report of Water Sample

Sample ID/Classification : KNL/02348/5/2024 / Private	Sample Details	Date & Time
Sender : Principal Anthem International School 31604	Collected By	GURMEET SINGH
Location : , NIGDHU, KARNAL	Collection Date	20/05/2024 at 13:22
Sample Description : Drinking Water	Received at lab	20/05/2024 at 13:27
Latitude / Longitude : 76.980011 / 29.688201	Analysis Start Date	20/05/2024
	Analysis End Date	21/05/2024
	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	Total Dissolved Solids @ 180°C ± 2°C	390	500 mg/lt.	2000 mg/lt.	IS 3025 (Part-16) : 2023
2	Total Hardness as CaCO ₃	220	200 mg/lt.	600 mg/lt.	IS 3025 (Part-21) : 2009 (RA 2023)
3	Calcium as Ca	48	75 mg/lt.	200 mg/lt.	IS 3025 (Part-40) : 1991 (RA 2023)
4	Magnesium as Mg	24	30 mg/lt.	100 mg/lt.	IS 3025 (Part-46) : 2023
5	Iron as Fe	0.01	1.0 mg/lt.	1.0 mg/lt.	USEPA-8008:2017
6	Chloride as Cl	55	250 mg/lt.	1000 mg/lt.	IS 3025 (Part-32) : 1988 (RA 2019)
7	Sulphate as SO ₄	25	200 mg/lt.	400 mg/lt.	USEPA-8051:2017
8	Fluoride as F	0.440	1.0 mg/lt.	1.5 mg/lt.	APHA 24th Edition-4500F C
9	Nitrate as NO ₃	3.1	45 mg/lt.	45 mg/lt.	APHA 24th Edition -4500 NO ₃ D
10	pH @ 25°C	7.49	6.5 - 8.5	6.5 - 8.5	IS 3025 (Part-11) : 2022
11	Total Alkalinity	230	200 mg/lt.	600 mg/lt.	IS 3025 (Part-23) : 1986 (RA 2019)
12	Color	<5	5 Hazen Units	15 Hazen Units	IS 3025 (Part 4): 2021
13	Odour	Agreeable	Agreeable	Agreeable	IS 3025 (Part-5) :1984 (RA 2018)
14	Taste	Agreeable	Agreeable	Agreeable	IS 3025 (Part-8) :1984 (RA 2022)
15	Turbidity	<1	1 NTU	5 NTU	IS 3025 (Part-10):1984 (RA 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: *Jayinder Singh*

(Signature)
AMIT KUMAR, CHIEF CHEMIST 21/05/2024
STATE WATER TESTING LABORATORY KARNAL
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