

Memo No:- 7074

Date:- 16/12/2022

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

Sample ID/Classification : KNL/07393/12/2022 / Private	<b>Sample Details</b>	<b>Date &amp; Time</b>
Sender : S.D.MARUTI NANDAN VIDYA MANDIR17032	Collected By	
Location : NILOKHERI KARNAL	Collection Date	15/12/2022 at 10:27
Sample Description : Drinking Water	Received at lab	15/12/2022 at 10:31
Latitude / Longitude : 76.980655 / 29.691594	Analysis Start Date	15/12/2022
	Analysis End Date	15/12/2022
	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	578	500 mg/lt.	2000 mg/lt.	IS 3025 (Part-16) : 1984 (RA 2017)
2	Total Hardness as CaCo3	360	200 mg/lt.	600 mg/lt.	IS 3025 (Part-21) : 2009 (RA 2019)
3	Calcium as Ca	64	75 mg/lt.	200 mg/lt.	IS 3025 (Part-40) : 1991 (RA 2019)
4	Magnesium as Mg	48	30 mg/lt.	100 mg/lt.	IS 3025 (Part-46) : 1994 (RA 2019)
5	Iron as Fe	0.01	1.0 mg/lt.	1.0 mg/lt.	USEPA-8008:2017
6	Chloride as Cl	57	250 mg/lt.	1000 mg/lt.	IS 3025 (Part-32) : 1988 (RA 2019)
7	Sulphate as So4	42	200 mg/lt.	400 mg/lt.	USEPA-8051:2017
8	Fluoride as F	0.480	1.0 mg/lt.	1.5 mg/lt.	APHA 4500-F--C
9	Nitrate as No3	4.1	45 mg/lt.	45 mg/lt.	APHA 4500-NO3- D
10	pH @ 25°C	7.58	6.5 - 8.5	6.5 - 8.5	IS 3025 (Part-11) : 1983 (RA 2017)
11	Total Alkalinity	370	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) : 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 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.

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



*(Signature)*  
CHEMIST  
KARNAL  
16/12/22



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*Jayindeasiam*  
Sample analyzed by :

*[Signature]*  
AMIT KUMAR, CHIEF CHEMIST 16/12/2022  
STATE WATER TESTING LABORATORY, KARNAL  
email:- [chiefchemist.hr@phedharyana.gov.in](mailto:chiefchemist.hr@phedharyana.gov.in)