

**PUBLIC HEALTH ENGINEERING DEPARTMENT**  
**DISTRICT WATER TESTING LABORATORY, PALWAL**

Website :- <https://phedharyana.gov.in/>

Memo No:- 284

Date:- 21/04/2024

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

Sample ID/Classification : PWL/00504/4/2024 / Departmental	<b>Sample Details</b>	<b>Date &amp; Time</b>
Sender : Palwal PHESD No. 1 (U)	Collected By	RAHUL KUMAR
Location : TW-PWL-Palwal Town-1 ,	Collection Date	21/04/2024 at 12:31
Sample Description : Drinking Water	Received at lab	21/04/2024 at 12:36
Latitude / Longitude : 28.132630 / 77.335381	Analysis Start Date	21/04/2024
	Analysis End Date	21/04/2024
	Sample Quantity	1000 ml

**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	1940	500 mg/l.	2000 mg/l.	APHA 24th Edition -2540 C
2	Total Hardness as CaCo3	590	200 mg/l.	600 mg/l.	APHA 24th Edition -2340 C
3	Calcium as Ca	116.23	75 mg/l.	200 mg/l.	APHA 24th Edition-3500-Ca B
4	Magnesium as Mg	72.9	30 mg/l.	100 mg/l.	APHA 24th Edition -3500 -Mg B
5	Iron as Fe	0.04	1.0 mg/l.	1.0 mg/l.	APHA 24th Edition-3500-Fe B
6	Chloride as Cl	445.45	250 mg/l.	1000 mg/l.	APHA 24th Edition -4500 Cl-B
7	Sulphate as So4	164	200 mg/l.	400 mg/l.	APHA 24th Edition-4500 SO4-E
8	Fluoride as F	0.79	1.0 mg/l.	1.5 mg/l.	APHA 24th Edition-4500-F-D
9	Nitrate as No3	9.7	45 mg/l.	45 mg/l.	APHA 24th Edition-4500-NO3- D
10	pH @ 25°C	7.29	6.5 - 8.5	6.5 - 8.5	APHA 24th Edition -4500-H+ B
11	Total Alkalinity	410	200 mg/l.	600 mg/l.	APHA 24th Edition -2320 B
12	Color	0	5 Hazen Units	15 Hazen Units	APHA 24th Edition-2120 B
13	Odour	Agreeable	Agreeable	Agreeable	IS 3025 (Part-5) 1983: 2018
14	Taste	Agreeable	Agreeable	Agreeable	IS 3025 (Part-8) 1984: RA 2023
15	Turbidity	0	1 NTU	5 NTU	APHA 24th Edition -2130 B

**Remarks :-**

- \* The Results Given above are related to the sample as received and tested in PHED PALWAL 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 :

REENA ,CHEMIST  
DISTRICT WATER TESTING LABORATORY PALWAL  
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