

# PUBLIC HEALTH ENGINEERING DEPARTMENT

STATE WATER TESTING LABORATORY, KARNAL

**PHED**  
Haryana

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

Memo No:-

541

Date:-

11/06/2021

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

Sample ID:	KNL/05563/6/2021	Sample Details	Date & Time
Sample Classification:	Private	Collected By	
Sender:	PRINCIPAL, S.P.S CONVENT SCHOOL4406	Collection Date	11/06/2021 at 11:58
Location :-	, HANSI ROAD, KARNAL	Received at lab	11/06/2021 at 12:06
Latitude :-	76.987313	Tested at Lab	11/06/2021
Longitude :-	,29.686001		

## 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	230	500 mg/lit.	2000 mg/lit.	IS 3025 (Part-16) : 1984 (RA 2017)/ APHA2540 C; 2017
2	Total Hardness as CaCo <sub>3</sub>	200	200 mg/lit.	600 mg/lit.	IS 3025 (Part-21) : 2009 (RA 2019)/ APHA2340 C; 2017
3	Calcium as Ca	40	75 mg/lit.	200 mg/lit.	IS 3025 (Part-40) : 1991 (RA 2019)/ APHA3500-Ca B; 2017
4	Magnesium as Mg	24	30 mg/lit.	100 mg/lit.	IS 3025 (Part-46) : 1994 (RA 2019)/ APHA3500 Mg B; 2017
5	Iron as Fe	0.01	1.0 mg/lit.	1.0 mg/lit.	IS 3025 (Part-53) : 2003 (RA 2019)/ APHA3500-Fe B; 2017
6	Chloride as Cl	36	250 mg/lit.	1000 mg/lit.	IS 3025 (Part-32) : 1988 (RA 2019)/ APHA4500 Cl-B; 2017
7	Sulphate as So <sub>4</sub>	15	200 mg/lit.	400 mg/lit.	IS 3025 (Part-24) : 1986 (RA 2019)/ APHA4500-So <sub>4</sub> -E/D; 2017
8	Flouride as F	0.330	1.0 mg/lit.	1.5 mg/lit.	APHA 4500-F--C, D; 2017
9	Nitrate as No <sub>3</sub>	2.1	45 mg/lit.	45 mg/lit.	APHA 4500-NO <sub>3</sub> - D, B
10	pH	7.45	6.5 - 8.5	6.5 - 8.5	IS 3025 (Part-11) : 1983 (RA 2017)/ APHA4500-H+ B; 2017
11	Alkalinity	210	200 mg/lit.	600 mg/lit.	IS 3025 (Part-23) : 1983 (RA 2019)/ APHA 2320 B; 2017

