

Memo No:- 5122

Date:- 15/09/2022

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

Sample ID/Classification : KNL/05196/9/2022 / Private	<b>Sample Details</b>	<b>Date &amp; Time</b>
Sender : PRINCIPAL, JPS ACADEMY ASSANDH15091	Collected By	
Location : KARNAL ROAD, ASSANDH <i>knw</i>	Collection Date	14/09/2022 at 14:58
Sample Description : Drinking Water	Received at lab	15/09/2022 at 09:50
Latitude / Longitude : 76.979625 / 29.687455	Analysis Start Date	15/09/2022
	Analysis End Date	15/09/2022
	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	110	500 mg/lit.	2000 mg/lit.	IS 3025 (Part-16) : 1984 (RA 2017)
2	Total Hardness as CaCo <sub>3</sub>	80	200 mg/lit.	600 mg/lit.	IS 3025 (Part-21) : 2009 (RA 2019)
3	Calcium as Ca	20	75 mg/lit.	200 mg/lit.	IS 3025 (Part-40) : 1991 (RA 2019)
4	Magnesium as Mg	4.8	30 mg/lit.	100 mg/lit.	IS 3025 (Part-46) : 1994 (RA 2019)
5	Iron as Fe	0.01	1.0 mg/lit.	1.0 mg/lit.	USEPA-8008:2017
6	Chloride as Cl	36	250 mg/lit.	1000 mg/lit.	IS 3025 (Part-32) : 1988 (RA 2019)
7	Sulphate as So <sub>4</sub>	10	200 mg/lit.	400 mg/lit.	USEPA-8051:2017
8	Fluoride as F	0.200	1.0 mg/lit.	1.5 mg/lit.	APHA 4500-F--C
9	Nitrate as No <sub>3</sub>	1.9	45 mg/lit.	45 mg/lit.	APHA 4500-NO <sub>3</sub> - D
10	pH @ 25°C	7.35	6.5 - 8.5	6.5 - 8.5	IS 3025 (Part-11) : 1983 (RA 2017)
11	Total Alkalinity	100	200 mg/lit.	600 mg/lit.	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.

Water Testing Lab  
KARNAL  
CHIEF CHEMIST  
*[Signature]*

15/9

*Jayinder Singh*

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



Memo No:- 5122

Date:- 15/09/2022

Certificate  
No: TC-8407

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



Sample analyzed by :

*(Signature)*  
AMIT KUMAR, CHIEF CHEMIST  
STATE WATER TESTING LABORATORY, KARNAL  
email: chiefchemist.hr@phedharyana.gov.in  
*(Signature)*

S.No.	Tested Parameter	Result	Permissible Limit (As per IS 10800:2012)	Protocol Used
1	Total Dissolved Solids @ 180°C ± 2°C	110	500 mg/L	IS 3025 (Part-18) : 1994 (RA 2017)
2	Total Hardness as CaCO <sub>3</sub>	50	500 mg/L	IS 3025 (Part-21) : 2009 (RA 2019)
3	Calcium as Ca	30	75 mg/L	IS 3025 (Part-40) : 1991 (RA 2017)
4	Magnesium as Mg	18	30 mg/L	IS 3025 (Part-40) : 1991 (RA 2017)
5	Iron as Fe	0.01	1.0 mg/L	USEPA-808:2017
6	Chloride as Cl	38	1000 mg/L	IS 3025 (Part-22) : 1991 (RA 2019)
7	Sulphate as SO <sub>4</sub>	10	400 mg/L	USEPA-803:2017
8	Fluoride as F	0.500	1.0 mg/L	APHA 806 F-C
9	Nitrate as NO <sub>3</sub>	1.9	45 mg/L	APHA 800-NO <sub>3</sub> -G
10	pH @ 25°C	7.30	6.5 - 8.5	IS 3025 (Part-17) : 1993 (RA 2017)
11	Total Alkalinity	100	500 mg/L	IS 3025 (Part-23) : 1991 (RA 2019)
12	Color	2	5 Pt-Co Unit	IS 3025 (Part-1) : 1993 (RA 2017)
13	Oxygen Demand			IS 3025 (Part-2) : 1993 (RA 2017)
14	Turbidity			IS 3025 (Part-3) : 1993 (RA 2017)
15	Residual Chlorine			IS 3025 (Part-19) : 1994 (RA 2017)

Remarks :-  
 \* The results given above are valid only if the sample was collected and tested in PHED KARNAL Lab.  
 \* The test report shall be forwarded in triplicate in order to get back of report when permission of concerned Authority.  
 \* The test report can't be used for any liability or any legal action.  
 \* Reliability of water sample analysis will depend on the quality of water sample.  
 \* To check the sample report online from the QR Code below.  
 \* The test samples meant for chemical analysis will be done on all after 10 days from the date of test report unless until specifically requested by the customer for retaining over a long period.

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



**PROFORMA REGARDING SAFE DRINKING WATER AND SANITARY CONDITION**  
**CERTIFICATE.**

No. 5722

Date: 15/09/2022

It is certified that an inspection team headed by Sh. Roshan Sharma  
\_\_\_\_\_ (Name of Officers  
with designation) from PHDSD Assandh \_\_\_\_\_ (Name of  
Department/Office) inspected the \_\_\_\_\_  
\_\_\_\_\_ (Name & Address of  
the School) on 15/09/2022 and found that the \_\_\_\_\_  
\_\_\_\_\_ (Name of school) has safe  
drinking water facilities for the students and members of staff of the institution and is maintaining  
the hygienic sanitation condition in the school building & the campus as per the norms  
prescribed by the Central/State/U.T Govt.

The above valid for a period of One Year.

Signature with Seal :

Name :

Designation :

Sh. Roshan Sharma  
15/09/2022  
PHDSD Assandh  
Sevch  


To

JPS Academy

Karnal Road

Assandh

(Name & Address of the Institution)