

Himachal Pradesh
Jal Shakti Vibhag.

No: - IPH-HYD-SD-SML/ Hydrology lab Dhalli-2023 -- 636-37

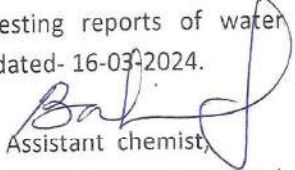
Dated- 19/3/24

To,

The Head Master ,
DAV Public School ,
Shoghi HP-171219 HP.


Subject: - Report of water analysis.

Please find enclosed herewith the water testing reports of water sample conducted by Distt. water testing laboratory Dhalli , for the dated- 16-03-2024.


Assistant chemist,

District Water Testing Laboratory.
Dhali Shimla-12.

Copy forwarded to Assistant Engineer Hydrology const. & Maint. Sub Division Tutikandi Shimla- 4 for information please .


Assistant chemist.,
District Water Testing Laboratory.
Dhali Shimla-12.

**HIMACHAL PRADESH
JAL SHAKTI VIBHAG
District Water Testing Laboratory
Dhali, Shimla-171012**



TC-12836

TEST REPORT

Name & Address of Customer : The Head Master , DAV Public School , Shoghi HP-171219 HP.	Customer Reference No.	-----	
	ULR No:	TC97702300000714F	
	Sample Submitted by:	Customer	
	Date of Sample Receipt:	16/03/2024	
	Analysis Starting Date:	16/03/2024	
	Analysis Completion Date:	16/03/2024	
	Date of Issue:	18/03/2024.	
Discipline:	Chemical Testing	Group:	Water
Sample Type:	Drinking Water	Mode of sample:	Satisfactory
Test Report No:	1342/2023-24	Sample ID:	DWTL- 1342/03-24
Scheme /Main Source	-----	Source:	RO Water
Location:	Shoghi	Habitation:	Shoghi
Village:	-----	District:	Shimla

Kindly find herewith the Analytical Results.

Sr. No	TEST PARAMETER	UNITS	RESULT	Requirement as per IS 10500:2012		Test Method
				Acceptable limits	Permissible Limit in absence of Alternate source	
1	pH at 25°C	pH Unit	7.07	6.5-8.5	No Relaxation	IS 3025:Part 11-1983 RA2017
2	Total Hardness (as CaCO ₃)	mg/l	254	Max 200	Max 600	IS 3025 Part 21 : 2009 RA2019
	Total Alkalinity (as CaCO ₃)	mg/l	40	Max 200	Max 600	IS 3025:Part 23 :1986 RA2019
3						
4	Chlorides [as Cl]	mg/l	18.49	Max 250	Max 1000	IS 3025:Part 32 :1988 RA2019
5.	Turbidity	NTU	1.0	1 NTU, Max	5 NTU , Max	IS 3025:Part 10 :1996 RA2017
6.	Colour	CU	<5.0	5 CU ,Max	15 CU , Max	IS 3025:Part 4 :1983 RA2017
7.	Odour	---	Agreeable	Agreeable	Agreeable	IS 3025:Part 5 :2018
8.	Taste	---	---	Agreeable	Agreeable	IS 3025:Part 8 :1984 RA2017
9.	TDS	mg/l	260	500 mg/l, Max	2000 mg/l, Max	IS 3025:Part 16 :1984 RA2019
10.	Calcium (Ca)	mg/l	---	75	200	IS 3025:Part 40 :1991 RA2019
11	Magnesium (Mg)	mg/l	---	30	100	APHA 23 rd Edition 3500-Mg method B (by Calculation), 2017

Note: -

1. This report should not be produced partly or fully without approval of signatory authority for legal purpose.
2. The result refer only to tested samples and parameters tested.

Analyzed By

Reviewed by

Harish Bantz
Technical Manager
(Authorized Signatory)
District Water Testing Laboratory
Dhali, Shimla-12 HP

----- END OF THE REPORT -----

**HIMACHAL PRADESH
JAL SHAKTI VIBHAG
District Water Testing Laboratory**

TEST REPORT

Sample -ID.	DWTL-1342-03-24
Name and address of Sender.	The Head Master , DAV Public School ,Shoghi HP-171219 HP.
Division.	-----
Sub-Division.	-----
Name of Scheme and Location of source.	-----
Date and Time of Collection.	16/03/2024 at 08:30 AM.
Date and Time of Receipt at Laboratory.	16/03/2024 at 10:50 AM.
Date and Time of Commencing.	16/03/2024 at 11:00 AM.
Type of Sample.	RO Water
Quantity of sample.	1200 ml.
Date of Reporting.	18/03/2024.
Testing Protocol.	IS 10500:2012.

Sr. No	TEST PARAMETER	UNITS	RESULT	Requirement as per IS 10500:2012		Test Method
				Acceptable limits	Permissible Limit in absence of Alternate source	
1	Temperature	Centigrade	16.5°C			
2	Iron	Mg/l	Nil	Min 0.1	Max 1.0	By Spectrophotometer
3	Conductivity	m.mho/cm	380.1	-----	-----	IS 3025 [Part-14] 2013.
4	Flouride	Mg/l	Nil	Min 1.0	Max 1.5	By Spectrophotometer
5.	Nitrate	Mg/l	Nil	Min 45	Max 45	By Spectrophotometer
6.	Sulphate	Mg/l	----	MAX 200	Max 400	By Spectrophotometer
7.	Free Residual Chlorine	Mg/l	NIL	Min 0.2 to 1.0		IS 3025 ;part 26;1986
8.	Total Coliform	MPN 100 ml	NIL	Nil /100ml.	-----	IS 3025 [1622; 1981]
9	Arsenic	Mg/l	-----	-----	Max 0.01	By Spectrophotometer
10.	Ammonia	Mg/l	-----	0.5 mg/l , max	No relaxation	By Spectrophotometer
11.	Manganese	Mg/l	-----	0.1 mg/l , max	0.3 mg/l , max	By Spectrophotometer
12	E.Coli	NIL /100 ML	NIL	NIL Colonies/100 ml	-----	IS 15185:2016

Bal D
Assistant Chemist
District Water Testing Laboratory.
Dhalli Shimla.12.

----- END OF THE REPORT -----