

**Himachal Pradesh  
Jal Shakti Vibhag**

No. EE/JSDD/LAB/ WTA :-

12913

Date:-- 21/02/2025

To.


Highland Public School  
Village-Ruhru, P.O.- Sudher, Dharamshala-176217,  
Himachal Pradesh, India.

**Subject :-** Examination of Water sample.

**Reference : -** Your Letter No. Nil Dated- 05/02/2025.

The water sample sent vide your letter under reference for Physical , Chemical & Bacteriological examination, has been examined in Public Health Laboratory Dharamshala. Results, thereof, are sent herewith for your Information.

DA/One Report.

  
**Executive Engineer,  
Jal Shakti Division,  
Dharamshala.**  




Lab. Ref. No.

A/PC-359/B-1195

HIMACHAL PRADESH JAL SHAKTI VIBHAG  
PUBLIC HEALTH LABORATORY, DHARAMSHALA

REPORT ON PHYSICAL CHEMICAL &amp; BACTERIOLOGICAL EXAMINATION OF WATER SAMPLE.

Sender:

Highland Public School

Village-Ruhr, P.O.- Sudher, Dharamshala-176217,

Himachal Pradesh, India.

( Water sample collected &amp; forwarded by sender. )

Name of water supply scheme	:-	.....
Source	:-	Borewell at Highland public school.
Where collected	:-	From Tap Near Borewell at Highland Public School.
Date and time of collection	:-	06-02-2025 at 11:45 A.M.
Date and time of arrival at Laboratory	:-	06-02-2025 at 12:30 P.M.
Date and time of commencing examination	:-	---do---

## PHYSICAL EXAMINATION

Parameter	Acceptable limit	Result
Appearance	--	Clear
Colour ( Hazen scale units )	5	Normal
Taste and odour ( Qualitative )	--	Nothing objectionable
Turbidity ( NTU )	1.0.	0.23
Conductivity ( micro Siemens / cm )	--	346
pH	6.5-8.5	6.8
Temperature (0°C)	---	--

## CHEMICAL EXAMINATION ( Results in mg / l )

Parameter	Acceptable limit	Result	Parameter	Acceptable limit	Result
Free carbon dioxide as CO <sub>2</sub>	--	30	Iron as Fe	1.0	Nil
P. alkalinity as CaCO <sub>3</sub>	--	Nil	Manganese as Mn	0.1	Nil
M. O. alkalinity as CaCO <sub>3</sub>	200	174	Calcium as Ca	75	50.4
Total hardness as CaCO <sub>3</sub>	200	155	Magnesium as Mg	30	7
Carbonate hardness CaCO <sub>3</sub>	--	155	Total solids dried at 105°C	--	--
Non-carbonate hardness as CaCO <sub>3</sub>	--	19	Total residual chlorine as Cl <sub>2</sub>	0.2	--
Free and saline ammonia as N	--	0.4	Free residual chlorine as Cl <sub>2</sub>	--	--
Albumenoid ammonia as N	--	---	Zinc as Zn	5.0.	--
Nitrite as N	--	Nil	Copper as Cu	0.05	--
Nitrate as N	10.16	4.0	Chromium hexavalent as Cr	0.05	--
Dissolved oxygen as O <sub>2</sub>	--	--	Arsenic as As	0.01	N.D
Oxygen abd. ( 370C, 3 mts. ) as O <sub>2</sub>	--	--	Cadmium as Cd	0.01	--
Oxygen abd. ( 370C, 3 hours. ) as O <sub>2</sub>	--	--	TDS	500	174
Chloride as Cl	250	12			
Sulphate as SO <sub>4</sub>	200	6			
Fluoride as F	1.0.	Nil			

## BACTERIOLOGICAL EXAMINATION

MPN of coliforms : ( At 37°C for 48 hours in MacConkey broth )

Nil/ 100ml

MPN of E.coli or Thermo Tolerant coliforms : (At 44°C for 24 hours in BGBL broth/ Tryptone Water).

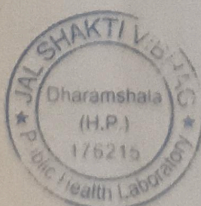
Nil/ 100ml

( Coliform count should be zero in any sample of 100ml from water entering the distribution system )

REMARKS :-

Date :-

18/02/2025.

VI  
Assistant Chemist.



Lab. Ref. No.

A/PC-359/B-1195.

# HIMACHAL PRADESH JAL SHAKTI VIBHAG PUBLIC HEALTH LABORATORY, DHARAMSHALA

REPORT ON PHYSICAL CHEMICAL &amp; BACTERIOLOGICAL EXAMINATION OF WATER SAMPLE.

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Oxygen abd. ( 370C, 3 mts. ) as O <sub>2</sub>	--	--	Cadmium as Cd	0.01	--
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REMARKS :-

Date :-

18/02/2025.



Assistant Chemist.