



HIMACHAL PRADESH  
WATER TESTING LABORATORY  
JAL SHAKTI VIBHAG, UNA NO.1

TEST REPORT

TC - 12017

Test Report No: WTL/24- 82	Issue Date:- 22/04/24
Name & Address of Customer: Principal Rudra International School Basal (Una)	
Sampling Method: M.A.	Condition of Sample When Received: OK
Sample Description: Water	Name of Source/Scheme: —
Sample Quantity: 8 litre	Name of Panchayat: Basal
Collected on: 20/04/2024	Name of Habitation: Rudra International School
Test Start Date: 20/04/2024	Name of Village: Basal
Test End Date: 22/04/2024	Type of Source: Bore Well
Environmental Conditions: OK	Temperature: 25±2°C Humidity: 45±10%

Sr. No.	Test	Test Method	Result	Requirements As per IS 10500:2012	
				Acceptable Limit	Permissible limit in the absence of Alternate Source
Physical Parameters					
1.	Turbidity, NTU, Max	IS:3025(Part-10): 2017	1.8	1 NTU	5 NTU
2.	Colour, Hazen units, Max	IS:3025(Part-4): 2017	89 (21=5)	5	15
3.	Odour	IS:3025 (Part 5): 2018	Agreeable	Agreeable	Agreeable
4.	Taste	IS:3025 (Part 8): 2017	Agreeable	Agreeable	Agreeable
5.	pH value	IS:3025(Part-11): 2017	7.62	6.5-8.5	No relaxation
6.	Total Dissolved Solids mg/l, Max	IS:3025(Part-16): 2017	468	500 mg/l	2000 mg/l
Chemical Parameters					
7.	Total Alkalinity (as CaCO <sub>3</sub> ), mg/l, Max	IS:3025 (Part-23): 2019	306	200 mg/l	600 mg/l
8.	Chloride (as Cl), mg/l, Max	IS:3025 (Part-32): 2019	29	250 mg/l	1000 mg/l
9.	Total Hardness (as CaCO <sub>3</sub> ), mg/l, Max	IS:3025 (Part-21): 2019	358	200 mg/l	600 mg/l
10.	Calcium (as Ca), mg/l, Max	IS:3025 (Part-40): 2019	109.82	75 mg/l	200 mg/l
11.	Magnesium (as Mg), mg/l, Max	IS:3025 (Part-46): 2019	20.41	30 mg/l	100 mg/l

Remarks (if any) BDL= Below Detection Limit; DL= Detection Limit; NP= Not Performed

Note:

- This report should not be produced partly or full without approval of signatory authority for legal purpose
- The results refer only to tested samples and parameters tested.
- Samples will be stored for a period of 5 days from the date of issue of report.

Tested By

Water Testing Laboratory, Una No.1

Authorized Signatory  
Mrs. Shikha Thakur  
Water Testing Laboratory, Una No.1

**HIMACHAL PRADESH  
WATER TESTING LABORATORY  
JAL SHAKTI VIBHAG, UNA No.1**

**TEST REPORT**

Date:- 22/04/2024

Test Report No: WTL/24- 82

Name & Address of Customer: Principal Rudra International School Basal (Una)

Sampling Method: M.A.

Sample Description: Water

Sample Quantity: 2 Litre

Collected on: 20/04/2024

Test Start Date: 20/04/2024

Test End Date: 22/04/2024

Condition of Sample When Received: OK

Name of Source/Scheme: —

Name of Panchayat: Basal

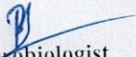
Name of Habitation: Rudra International School


Name of Village: Basal

Type of Source: Borewell

Sr. No.	Test	Result	Requirements As per IS 10500:2012	
			Acceptable Limit	Permissible limit in the absence of Alternate Source
<b>Physical Parameters</b>				
1.	Temperature (°C)	25.6°C	-----	-----
<b>Chemical Parameters</b>				
2.	Nitrate (as No <sub>3</sub> ), mg/l, Max	—	45 mg/lMax	No relaxation
3.	Fluoride (as F), mg/l, Max	—	1.0 mg/lMax	1.5 mg/lMax
4.	Sulphate (as SO <sub>4</sub> ), mg/l, Max	—	200 mg/lMax	400 mg/lMax
5.	Ammonia(as total ammonia -N), mg/l, Max	—	0.5 mg/lMax	No relaxation
6.	Iron (as Fe), mg/l, Max	—	1.0 mg/lMax	No relaxation
7.	Manganese (as Mn), mg/l, Max	—	0.1 mg/lMax	0.3 mg/lMax
8.	Total Arsenic (as As), mg/l, Max	—	0.01 mg/lMax	No relaxation
9.	Free Residual Chlorine, mg/l, Min	Nil	0.2 mg/lMin	1.0 mg/lMin
<b>Bacteriological Parameters</b>				
10.	Total Coliform Bacteria (Shall not be detectable in any 100ml sample)	Nil	Nil	Nil
11.	E.Coli (Shall not be detectable in any 100ml sample)	Nil	Nil	Nil

Remarks (if any) BDL= Below Detection Limit; DL= Detection Limit

  
Microbiologist  
Ms. Bandana Thakur  
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Authorized Signatory  
Mrs. Shikha Thakur  
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