

Lab. Ref. no.

94

# HIMACHAL PRADESH JAL SHAKTI VIBHAG

## SUB-DIVISIONAL LEVEL LABORATORY, SUNDERNAGAR

1608408

### REPORT ON PHYSICAL CHEMICAL & BACTERIOLOGICAL EXAMINATION OF WATER SAMPLE

Sender: Principal  
DAV Public School  
Sundernagar (HP)

Division : S. Nagar  
Sub-Division : S. Nagar  
Section : .....

Panchyat ..... Village ..... Habitation .....  
District Mandi ..... Block Sundernagar .....

(Water samples collected and forwarded by the sender)

Name of Scheme : L.W.S.S SNR  
Type of Source : ..... Place of Collection : DAV School (Tap)

Date & Time of Collection : 16-4-26

Date & time of Collection at Laboratory : 16-4-26 at 10:45 AM

Nature of Water : 1. Raw Water 2.  Treated /Distribution Water 3. Hand pump 4. Tube Well

Limits : Based upon BIS: 10500-2012

#### (A) PHYSICAL TESTS

S.No.	Parameter	UNITS	ACCEPTABLE LIMIT	Cause of Rejection	RESULT
1	Temperature	°c	-	-	
2	Turbidity	NTU	1	5	1.0
3	Colour	Hazen Units	5	15	Acceptable
4	Odour	—	Acceptable	Acceptable	Acceptable
5	Taste	—	Acceptable	Acceptable	Acceptable
6	pH	—	6.5-8.5	No relaxation	

#### (B) CHEMICAL TESTS


1	TDS	Mg/l	500	2000	314
2	Residual Chlorine	Mg/l	0.2 to 0.5	1.0	0.2
3	Total Hardness	Mg/l	200	600	224
4	Total Alkalinity	Mg/l	200	600	197
5	Chloride	Mg/l	250	1000	19.85
6	Sulphate	Mg/l	200	400	
7	Nitrates	Mg/l	45	No relaxation	
8	Iron	Mg/l	0.3	1.0	
9	Fluorides	Mg/l	1.0	1.5	
10	Manganese	Mg/l	0.1	0.3	
11	Arsenic*	Mg/l	0.01	0.05	
12	Calcium	Mg/l			
13	Magnesium	Mg/l			


#### (C) BACTERIOLOGICAL TESTS

1	Total Coli forms	MPN/100ml	Nil	> Nil	Nil
2	E-coli	MPN/100ml	Nil	> Nil	Nil

Note: - \*indicate discrete sampling. Water quality monitoring to be continued only if these are traced in drinking water sources.

REMARKS: All Parameters of water sample tested above  
are within limits.

  
Assistant Chemist  
Jal Shakti Vibhag Sub-Division  
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