

Lab. Ref. no.

445

HIMACHAL PRADESH JAL SHAKTI VIBHAG

SUB-DIVISIONAL LEVEL LABORATORY, SUNDERNAGAR

REPORT ON PHYSICAL CHEMICAL & BACTERIOLOGICAL EXAMINATION OF WATER SAMPLE

4956

Sender: Principal Anglers Public School
Chousham Pusa Bazar, Sundernagar
Maneli H.P.

Division : Sundernagar 5122 02 / 224
Sub-Division : Sundernagar
Section : Sundernagar

Panchyat Village Habitation

District Maneli Block Sundernagar

(Water samples collected and forwarded by the sender)

Name of Scheme : J.W.S.S. Sundernagar

Type of Source : Place of Collection : Anglers Public School Tap

Date & Time of Collection : 20/02/24

Date & time of Collection at Laboratory : 20/02/24 at 11:00 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	7.52

(B) CHEMICAL TESTS

1	TDS	Mg/l	500	2000	117
2	Residual Chlorine	Mg/l	0.2 to 0.5	1.0	0.2
3	Total Hardness	Mg/l	200	600	90
4	Total Alkalinity	Mg/l	200	600	59
5	Chloride	Mg/l	250	1000	18
6	Sulphate	Mg/l	200	400	4.3
7	Nitrates	Mg/l	45	No relaxation	1.9
8	Iron	Mg/l	0.3	1.0	0.01
9	Fluorides	Mg/l	1.0	1.5	0.5
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 the sample parameters tested above are within limits & total count of Coliforms are nil

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