

HIMACHAL PRADESH JAL SHAKTI VIBHAG

SUB-DIVISIONAL LEVEL LABORATORY, Karsog

b. Ref. no.

REPORT ON PHYSICAL CHEMICAL & BACTERIOLOGICAL EXAMINATION OF WATER SAMPLE

Sender

Division.....Karsog.....

Sub-Division.....21.....

Section.....1.....

Panchayat.....Sarahan..... Village.....Mamel..... Habitation.....Mamel.....

District.....Mandi..... Block.....Karsog.....

(Water samples collected and forwarded by the sender)

Name of Scheme and Location of source.....G.S.S. Karsog (Punni to 101).....

Type of source:.....Spring..... Place of collection:.....Mamel.....

Date and Time of Collection.....5-9-2025.....

Date and Time of Collection at Laboratory.....5-9-2025.....

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

(A) PHYSICAL TESTS

S.No	Parameter	UNITS	ACCEPTABLE LIMIT	Cause of Rejection	RESULT
1	Temperature	*C	-	-	25°C
2	Turbidity	NTU	1	5	4.72
3	Colour	Hazen Units	5	5	5
4	Odour	-	Agreeable	Agreeable	Agreeable
5	Taste	-	Agreeable	Agreeable	Agreeable
6	pH	-	6.5-8.5	No relaxation	7.51

(B) CHEMICAL TESTS

1	TDS	Mg/l	500	2000	108.7
2	Residual Chlorine	Mg/l	0.2 to 0.5	1.0	0.4
3	Total Hardness	Mg/l	200	600	40
4	Total Alkalinity	Mg/l	200	600	36
5	Chloride	Mg/l	250	1000	19.9
6	SULPHATE	Mg/l	200	400	
7	Nitrates	Mg/l	45	No relaxation	
8	Iron	Mg/l	0.3	0.3	
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	75	200	6.3
13	Magnesium	Mg/l	30	100	6.4

(C) BACTERIOLOGICAL TESTS

1	Total Coliforms	MPN/100ml	Nil	Nil	- Nil -
2	E-coll	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.....The parameters tested above are found within acceptable limit. So, this water is safe for drinking......

Assistant Chemist
Assistant Chemist
Jal Shakti Sub-Division Karsog
Division Karsog

Junior Engineer
Junior Engineer
J.S. Section Karsog

Assistant Engineer
Assistant Engineer
J.S. Sub-Division Karsog
Division Karsog