

# WATER TESTING LABORATORY

Jal Shakti Sub-Division.....ARKU.....Distt.....Salan.....

Based Upon 10500-2012

Lab Ref. No. 1092 Date 27.1.09.2021  
 Name and Address of Sender-AE JAL SHAKTI SUB-DIVISION Subathu  
 Name of District.....Salan.....Block.....Kunihar.....Section.....Kunihar  
 Gram Panchayat.....Kunihar.....Village.....Khadi  
 Name of Scheme & Source.....TAP  
 Date & Time of Collection.....27/09/2021 - 8:00am  
 Date & Time of Receipt at Laboratory.....27/09/2021 - 10:00am  
 Date & Time of Commencing.....27/09/2021 - 10:15am  
 Type of Sample :- 1. Raw Water 2. Filtered Water 3. Chlorinated 4. Distributed system  
 (Pvt. tap, Public stand post) 5. Hand Pump.

A.	PHYSICAL TEST :-	1	2	3
Sr. No.	TEST	DESIRABLE LIMIT	PREMISSIBLE LIMIT	ACTUAL RESULT
1	Temperature			25 °C
2	Colour	5	15	02
3	Odour	Agreeable	Agreeable	Agreeable
4	Tast	Agreeable	Agreeable	- do -
5	Turbidity	1 NTU	5 NTU	01 NTU
6	TDS/Conductivity	500mg/l	2000mg/l	214 mg/l

### B. CHEMICAL TEST :-

7	pH	6.5	8.5	7.9	mg/l
8	Total Alkalinity	200mg/l	600mg/l	196	mg/l
9	Chlorides	250mg/l	1000mg/l	11.36	mg/l
10	Fluoride	1.5mg/l	1.5mg/l	Nil	mg/l
11	Nitrate	45mg/l	45mg/l	Nil	mg/l
12	Sulphate	200mg/l	400mg/l	Nil	mg/l
13	Total Hardness	200mg/l	600mg/l	192	mg/l
14	Iron	1.0mg/l	0.3mg/l	Nil	mg/l
15	Managances	1.0mg/l	0.3mg/l	Nil	mg/l
16	Total Arsenic	0.01mg/l	0.01mg/l	Nil	mg/l
17	Residual	1.2mg/l	1mg/l	0.0	mg/l

### C. BACTERIOLOGICAL TEST :-

18	Total Coli form	0 MNP	0 MNP	0	MNP
19	E. Coli/Thermo tolerant Coli form	0 MNP	0 MNP	Nil	MNP

Remarks :.....Sample found safe.....

Kanchan  
 Assitant Chemist  
 Water Testing Lab.....ARKU.....  
 For Contt. Jyoti Trading Company

[Signature]  
 Jr. Engineer  
 Jal Shakti Section.....ARKU.....

[Signature]  
 Assistant Engineer  
 Jal Shakti Sub-Division.....ARKU.....

# WATER TESTING LABORATORY

Jal Shakti Sub-Division.....ARKI.....Distt.....Solan.....

Based Upon 10500-2012

Lab Ref. No. 1093 Date 27.1.09.2021  
 Name and Address of Sender-AE JAL SHAKTI SUB-DIVISION Subattu  
 Name of District Solan Block Kunihar Section Kunihar  
 Gram Panchayat Ha Kunihar Village Khadi  
 Name of Scheme & Source Ra Water  
 Date & Time of Collection 27/09/2021 - 8:00am  
 Date & Time of Receipt at Laboratory 27/09/2021 - 10:00am  
 Date & Time of Commencing 27/09/2021 - 10:15am  
 Type of Sample :- 1. Raw Water 2. Filtered Water 3. Chlorinated 4. Distributed system  
 (Pvt. tap, Public stand post) 5. Hand Pump.

A.	PHYSICAL TEST :-	1	2	3
Sr. No.	TEST	DESIRABLE LIMIT	PREMISSIBLE LIMIT	ACTUAL RESULT
1	Temperature			25 °C
2	Colour	5	15	02
3	Odour	Agreeable	Agreeable	Agreeable
4	Tast	Agreeable	Agreeable	-do-
5	Turbidity	1 NTU	5 NTU	01 NTU
6	TDS/Conductivity	500mg/l	2000mg/l	5.0 mg/l

## B. CHEMICAL TEST :-

7	pH	6.5	8.5	8.2 mg/l
8	Total Alkalinity	200mg/l	600mg/l	32 mg/l
9	Chlorides	250mg/l	1000mg/l	2.84 mg/l
10	Fluoride	1.5mg/l	1.5mg/l	Nil mg/l
11	Nitrate	45mg/l	45mg/l	Nil mg/l
12	Sulphate	200mg/l	400mg/l	Nil mg/l
13	Total Hardness	200mg/l	600mg/l	08 mg/l
14	Iron	1.0mg/l	0.3mg/l	Nil mg/l
15	Managances	1.0mg/l	0.3mg/l	Nil mg/l
16	Total Arsenic	0.01mg/l	0.01mg/l	Nil mg/l
17	Residual	1.2mg/l	1mg/l	0.0 mg/l

## C. BACTERIOLOGICAL TEST :-

18	Total Coli form	0 MNP	0 MNP	0 MNP
19	E. Coli/Thermo tolerant Coli form	0 MNP	0 MNP	Nil MNP

Remarks :.....Sample found safe.....

Kanchan  
 Assitant Chemist  
 Water Testing Lab.....Mei.....  
 For Contt. Jyoti Trading Company

JJC  
 Jr. Engineer  
 Jal Shakti Section.....Mei.....

[Signature]  
 Assistant Engineer  
 Jal Shakti Sub-Division.....Mei.....