

**SJPNL**  
**WATER TESTING LABORATORY**  
**WATER SUPPLY GUMMA, SHIMLA 171018**

*Based upon CPHEEO MANUAL*

**Sample** [GUMMA]

[Division.....WSD SHIMLA]

**Date:** - 03-08-2024

TIME OF SAMPLING: - 10:15 AM

[Sub Division ...WSSD GUMMA

TIME OF COMENCING: - 10:45 AM

**WATER SAMPLE**

1. Raw Water
2. Filtered Water
- >> 3. Chlorinated Water
4. Distributed System

**A. PHYSICAL TESTS**

Tests	1 Acceptable	2 Cause of Rejection	3 Result of Sample
1. Temp			20°C
2. Turbidity [NTU]	1	5	2 NTU
3. Conductivity	.....	.....	340 µS/cm
4. Total Dissolved solids	500	2000	221 mg/l

**B. CHEMICAL TEST**

1. PH	7 to 8.5	Less than 6.5 more than 8.5	8.29
2. Total hardness	200	600	160 mg/l
3. Chlorides	250	1000	22.992 mg/l
4. Total Alkalinity	200	400	130 mg/l
5. Residual Chlorine	02-0.5[mg/l desirable]		<b>0.4 mg/l</b>

**C. BACTERIOLOGICAL TESTS**

*No of coli form Organisms*

*After 48 hours MPN in*

*100 ml water sample*

*NIL*

*NIL*

*.....NIL.....MPN*

*Coli form count should be zero in any sample of 100 ml from water entering the distributed system*

**Remarks**.....

  
Asst. Chemist

Water Test Lab.  
Gumma.

Junior Engineer  
Water Supply SJPNL  
Gumma, Shimla.

Manager-2  
Water Supply SJPNL  
Gumma, Shimla.