

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

*Based upon CPHEEO MANUAL*

**Sample** [CRAIGNANO]

[Division.....WSD SHIMLA]

**Date: -22-12-2021**

TIME OF SAMPLING: - 09:15 AM

[Sub Division ...WSSD GUMMA]

TIME OF COMENCING TEST: -12:30 PM

**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			12°C
2. Turbidity [NTU]	2.5	10	1 NTU
3. Conductivity	.....	.....	398 µS/cm
4. Total Dissolved solids	500	1500	199 mg/l

**B. CHEMICAL TEST**

5. PH	7 to 8.5	Less than 6.2 more than 9.2	8.02
6. Total hardness	200	600	182 mg/l
7. Chlorides	200	1000	23.992 mg/l
8. Total Alkalinity	200	400	156 mg/l
9. Residual Chlorine	02-0.5[mg/l desirable]		<b>3.0 mg/l</b>

**C. BACTERIOLOGICAL TESTS**

*No of coli form Organisms*

*After 48 hours MPN in*

*100 ml water sample*

*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  
Bulk Water Supply SJPNL  
Gumma, Shimla

Manager-2  
Bulk Water Supply SJPNL  
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