

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

*Based upon CPHEEO MANUAL*

[Division.....WSD SHIMLA]

**Sample** [CRAIGNANO]

**Date: - 09-12-2022**

TIME OF SAMPLING: - 10:15 AM

[Sub Division ...WSSD GUMMA

TIME OF COMENCING: -01:30 PM

**WATER SAMPLE**

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

**A. PHYSICAL TESTS**

| Tests                     | 1<br>Acceptable | 2<br>Cause of Rejection | 3<br>Result of Sample |
|---------------------------|-----------------|-------------------------|-----------------------|
| 1. Temp                   |                 |                         | 13 °C                 |
| 2. Turbidity [NTU]        | 2.5             | 10                      | 1 NTU                 |
| 3. Conductivity           | .....           | .....                   | 412 µS/cm             |
| 4. Total Dissolved solids | 500             | 1500                    | 206 mg/l              |

**B. CHEMICAL TEST**

|                      |                        |                             |                 |
|----------------------|------------------------|-----------------------------|-----------------|
| 1. PH                | 7 to 8.5               | Less than 6.2 more than 9.2 | 8.09            |
| 2. Total hardness    | 200                    | 600                         | 178 mg/l        |
| 3. Chlorides         | 200                    | 1000                        | 27.991 mg/l     |
| 4. Total Alkalinity  | 200                    | 400                         | 132 mg/l        |
| 5. Residual Chlorine | 02-0.5[mg/l desirable] |                             | <b>5.0 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.