

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

*Based upon CPHEEO MANUAL*

**Sample** [GUMMA]

[Division.....WSD SHIMLA]

**Date:** - 16-05-2024

TIME OF SAMPLING: - 10:00 AM

[Sub Division ...WSSD GUMMA

TIME OF COMENCING: - 10:30 AM

**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                   |                 |                         | 22°C                  |
| 2. Turbidity [NTU]        | 1               | 5                       | 0.1 NTU               |
| 3. Conductivity           | .....           | .....                   | 352 µS/cm             |
| 4. Total Dissolved solids | 500             | 2000                    | 228.8 mg/l            |

**B. CHEMICAL TEST**

|                      |                        |                             |                 |
|----------------------|------------------------|-----------------------------|-----------------|
| 1. PH                | 7 to 8.5               | Less than 6.5 more than 8.5 | 8.45            |
| 2. Total hardness    | 200                    | 600                         | 190 mg/l        |
| 3. Chlorides         | 250                    | 1000                        | 23.992 mg/l     |
| 4. Total Alkalinity  | 200                    | 400                         | 152 mg/l        |
| 5. Residual Chlorine | 02-0.5[mg/l desirable] |                             | <b>0.2 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  
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