

SJPNL
WATER TESTING LABORATORY
WATER SUPPLY GUMMA, SHIMLA 171018

Based upon CPHEEO MANUAL

Sample [GUMMA]

[Division.....WSD SHIMLA]

Date: - 04-07-2024

TIME OF SAMPLING: - 09:30 AM

[Sub Division ...WSSD GUMMA

TIME OF COMENCING: - 10:15 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 | | | 21°C |
| 2. Turbidity [NTU] | 1 | 5 | 2 NTU |
| 3. Conductivity | | | 364 µS/cm |
| 4. Total Dissolved solids | 500 | 2000 | 236.6 mg/l |

B. CHEMICAL TEST

| | | | |
|----------------------|------------------------|-----------------------------|-----------------|
| 1. PH | 7 to 8.5 | Less than 6.5 more than 8.5 | 8.44 |
| 2. Total hardness | 200 | 600 | 184 mg/l |
| 3. Chlorides | 250 | 1000 | 21.993 mg/l |
| 4. Total Alkalinity | 200 | 400 | 154 mg/l |
| 5. Residual Chlorine | 02-0.5[mg/l desirable] | | 0.4 mg/l |

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
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Manager-2
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