

SJPNL
WATER TESTING LABORATORY
BULK WATER SUPPLY GUMMA, SHIMLA 171018

Based upon CPHEEO MANUAL

Sample [CRAIGNANO]

[Division.....WSD SHIMLA]

Date: -05-08-2021

TIME OF SAMPLING: - 08:30 AM

[Sub Division ...WSSD GUMMA]

TIME OF COMENCING TEST: - 10:35 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 | | | 15°C |
| 2. Turbidity [NTU] | 2.5 | 10 | 3 NTU |
| 3. Conductivity | | | 408 µS/cm |
| 4. Total Dissolved solids | 500 | 1500 | 204 mg/l |

B. CHEMICAL TEST

| | | | |
|----------------------|------------------------|-----------------------------|-----------------|
| 5. PH | 7 to 8.5 | Less than 6.2 more than 9.2 | 7.98 |
| 6. Total hardness | 200 | 600 | 146 mg/l |
| 7. Chlorides | 200 | 1000 | 23.992 mg/l |
| 8. Total Alkalinity | 200 | 400 | 130 mg/l |
| 9. Residual Chlorine | 02-0.5[mg/l desirable] | | 6.0 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
Bulk Water Supply SJPNL
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Manager-2
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