

SJPNL
WATER TESTING LABORATORY
BULK WATER SUPPLY GUMMA, SHIMLA 171018
Based upon CPHEEO MANUAL

Sample [GUMMA]

[Division.....WSD SHIMLA]

Date: - 26-04-2021

TIME OF SAMPLING:-10:15 AM

[Sub Division ...WSSD GUMMA]

TIME OF COMENCING TEST:-10:40 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	1 NTU
3. Conductivity	380 µS/cm
4. Total Dissolved solids	500	1500	190 mg/l

B. CHEMICAL TESTS

5. PH	7 to 8.5	Less than 6.2 more than 9.2	8.46
6. Total hardness	200	600	182 mg/l
7. Chlorides	200	1000	20.993 mg/l
8. Total Alkalinity	200	400	172 mg/l
9. Residual Chlorine	02-0.5[mg/l desirable]		2.0 mg/l

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.....

Assist. Chemist
 Water test Lab.
 Gumma

Manager-2
 Bulk Water Supply SJPNL,
 Gumma, Shimla.

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D. PHYSICAL TESTS

Tests	1 Acceptable	2 Cause of Rejection	3 Result of Sample
1. Temp			15°C
2. Turbidity [NTU]	2.5	10	5 NTU
3. Conductivity	354 µS/cm
4. Total Dissolved solids	500	1500	177 mg/l

E. CHEMICAL TESTS

5. PH	7 to 8.5	Less than 6.2 more than 9.2	8.52
6. Total hardness	200	600	184 mg/l
7. Chlorides	200	1000	18.994 mg/l
8. Total Alkalinity	200	400	176mg/l
9. Residual Chlorine	02-0.5[mg/l desirable]		NIL mg/l

F. 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

Manager -2
 Bulk Water Supply SJPNL,
 Gumma, Shimla.