

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

Sample [GUMMA]

[Division.....WSD SHIMLA]

Date: - 06-05-2021

TIME OF SAMPLING:-10:15 AM

[Sub Division ...WSSD GUMMA]

TIME OF COMENCING TEST:-10:45 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	386 µS/cm
4. Total Dissolved solids	500	1500	193 mg/l

B. CHEMICAL TESTS

5. PH	7 to 8.5	Less than 6.2 more than 9.2	8.45
6. Total hardness	200	600	184 mg/l
7. Chlorides	200	1000	20.993 mg/l
8. Total Alkalinity	200	400	178 mg/l
9. Residual Chlorine	02-0.5[mg/l desirable]		1.0 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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WATER SAMPLE

D. PHYSICAL TESTS

Tests	1 Acceptable	2 Cause of Rejection	3 Result of Sample
1. Temp			15°C
2. Turbidity [NTU]	2.5	10	4 NTU
3. Conductivity	348 µS/cm
4. Total Dissolved solids	500	1500	174 mg/l

E. CHEMICAL TESTS

5. PH	7 to 8.5	Less than 6.2 more than 9.2	8.50
6. Total hardness	200	600	186 mg/l
7. Chlorides	200	1000	18.994 mg/l
8. Total Alkalinity	200	400	180 mg/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.