



**OFFICE OF THE SENIOR CHEMIST**  
**PUBLIC HEALTH ENGINEERING DEPARTMENT**  
**ZONAL WATER TESTING LABORATORY, SIRSA**

E-mail:-Seniorchemist.phedharyana@gmail.com



TC-11949

**Test Report**

Test Report No :- SIR/04113	Issue Date -31/01/2024
Issue To - PM SHRI GSSS DING	Location-Tap Water from PM SHRI GSSS DING
Your Reference No- By Hand Dt. 25/01/2024	Collected By - Sh. Amit
Sample Type -Tap Water	Sample Collected Date -25/01/2024
Lab Job Order No.- PC -1963488	Sample Received Date -25/01/2024
Period of Analysis - 29/01/2024	Sample Quantity - 1 Ltr
Environmental Condition :- Temp 25 ± 2 °C, Humidity 55 ± 15 %	

**Results**

S. No.	Parameter	Protocol Used	Results	IS: 10500:2012 (Second Revision) RA- 2018		Unit
				Desirable limit	Max. Permissible limit (in absence better alternate source)	
1	Total Dissolved Solid	APHA 2540 C 2017 23rd Edition-2017	256	500	2000	mg/L
2	Total Hardness (as CaCo3)	APHA 23rd Edition 2340 C: 2017	150	200	600	mg/L
3	Calcium (as Ca)	APHA 23rd Edition 3500-Ca B: 2017	24.04	75	200	mg/L
4	Magnesium (as Mg)	APHA 23rd Edition 3500-Mg B:2017	21.87	30	100	mg/L
5	Total Alkalinity (as CaCo3)	APHA 23rd Edition 2320 B: 2017	100	200	600	mg/L
6	Chloride (as Cl)	APHA 23rd Edition 4500-Cl- B: 2017	24.99	250	1000	mg/L
7	pH @ 25°C	APHA 23rd Edition 4500-H+B:2017	7.99	6.5-8.5	No relaxation	-
8	Turbidity	APHA 2130 B	0.50	1	5.0	NTU
9	Taste	IS3025 (Part-8)	Agreeable	Agreeable	Agreeable	Qualitative
10	Odour	IS3025 (Part-5)	Agreeable	Agreeable	Agreeable	Qualitative

**Remarks:- The Parameter Tested at Sr.No 1-10 as per requirement of IS:10500:2012 Second Revision(RA 2018).**

**Notes:**

- The results given above are related to the sample as received and tested in PHED Lab, Sirsa Reliability of sample lies with the sender.
- The test report can't be regenerated/re-produced in whole or in part without written permission of Laboratory.
- The test report can't be used for any publicity or any legal purpose.
- The test samples meant for chemical analysis will be disposed off after 15 days from the date of issue of test report unless until specifically requested by the customer for retaining over a longer period.
- The above parameter are tested for drinking purpose

Sample analyzed by

(Santosh Kumar)

Authorized Signatory/ Senior Chemist  
 PHED Zonal Water Testing Laboratory, Sirsa



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Period of Analysis - 29/01/2024	Sample Quantity - 1 Ltr
Environmental Condition :- Temp $25 \pm 2^{\circ}\text{C}$ , Humidity $55 \pm 15\%$	

Results

S. No.	Parameter	Protocol Used	Results	IS: 10500:2012 (Second Revision) RA- 2018		Unit
				Desirable limit	Max. Permissible limit (in absence better alternate source)	
11	Iron	APHA 3500-Fe B, 2017 23rd Edition-2017	0.02	1.0	1.0	mg/L
12	Sulphate	APHA 4500 E 23rd Edition-2017	34	200	400	mg/L
13	Fluoride (as F)	APHA 4500-F D,C:2017 23rd Edition-2017	0.290	1.0	1.5	mg/L
14	Nitrate (as NO <sub>3</sub> )	APHA 4500 -NO <sub>3</sub> - D :2017 23rd Edition-2017	1.5	45	No relaxation	mg/L
15	Color	APHA 2120 C; 2017	<5	5 Hazen Units	15 Hazen Units	Hazen Units
16	RCl	IS3025 (Part-26)	0.0	0.2	1.0	mg/L

Remarks:- The Parameter Tested at Sr.No 11-16 as per requirement of IS:10500:2012 Second Revision(RA 2018).

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