

HIMACHAL PRADESH
IRRIGATION AND PUBLIC HEALTH DEPARTMENT

WATER TESTING LABORATORY

Name and address of Sender

Borewell (Bhargav goods, Shimla Road)

Division

Nahan

Section

Supply to DAV Public School, Nahan

Name of Block

Nahan

Name of District

Name of Panchayat

Name of Village

Name of Habitation (S)

Borewell (Bhargav goods, Shimla Road)

Name of Scheme and Location of source

Type of source: Scheme source / Delivery Point / Stand Post / Surface Water / Private / Public

Date and Time of Collection 26.7.20 at 11:00 a.m.

Date and Time of Receipt at Laboratory 3:00 p.m.

Type of Sample: Raw Water/ Filtered Water / Chlorinated Water/Distributed system/ Hand Pump

Units: Based upon BIS: 10500-2012

A. PHYSICAL PARAMETER

Sr. No.	TEST PARAMETER	UNITS	ACCEPTABLE LIMIT	PERMISSIBLE LIMIT [In the absence of alternate source]	RESULT
1	Temperature	°C			22°C
2	Colour	Hazen Units	5	15	Agreeable
3	Odour	--	Agreeable	Agreeable	Agreeable
4	Taste	--	Agreeable	Agreeable	Agreeable
5	Turbidity [NTU]	NTU	1	5	1.8 NTU
6	pH	--	6.5-8.5	No relaxation	7.8 pH

B. CHEMICAL PARAMETER

7	TDS/Elect. Conductivity	Mg/l	500	2000	340 ppm
8	Total Alkalinity	Mg/l	200	600	130 mg/l
9	Chlorides [as Cl]	Mg/l	250	1000	135 mg/l
10	Total Hardness	Mg/l	200	600	138 mg/l
11	Nitrate [as NO3]	Mg/l	45	No relaxation	0.0 mg/l
12	Fluoride [as F]	Mg/l	1.0	1.5	0.0 mg/l
13	Sulphate [as SO4]	Mg/l	200	400	6.0 mg/l
14	Ammonia	Mg/l	0.5	No relaxation	0.0 mg/l
15	Sodium	Mg/l	--	--	--
16	Potassium	Mg/l	--	--	--

C. HEAVY METALS

17	Iron	Mg/l	0.3	No relaxation	0.0 mg/l
18	Manganese [as Mn]	Mg/l	0.1	0.3	0.0 mg/l
19	Total Arsenic [as As]	Mg/l	0.01	0.05	0.0 mg/l
20	Copper	Mg/l	0.05	15	--
21	Total Chromium [as Cr]	Mg/l	0.05	No relaxation	--
22	Lead	Mg/l	0.01	No relaxation	--
23	Nickel	Mg/l	0.02	No relaxation	--
24	Zinc	Mg/l	5	15	--
25	Aluminum	Mg/l	0.03	0.2	--
26	Selenium	Mg/l	0.01	No relaxation	--
27	Silver	Mg/l	0.1	No relaxation	--

D. MICROBIOLOGICAL

28	Total Coli forms	Number/100ml	Nil	Nil	Nil
29	E-coli /Thermo tolerant Coliforms	Number/100ml	Nil	Nil	Nil

E. SPECIFIC PARAMETER

30	Free Residual Chlorine	Mg/l	0.2	1.0	0.0 mg/l
31	Oil & Grease	Mg/l	--	--	--
32	Dissolved [DO]	Mg/l	--	--	--
33	Biochemical Oxygen Demand*	Mg/l	--	--	--
34	Chemical Oxygen Demand*	Mg/l	--	--	--

Note: * Indicate discrete sampling. Water quality monitoring to be continued only if these are traced in drinking water sources

Remarks

The submitted sample complies the limits with the reference to above parameters only.

Assistant Chemist
IP/S&D Division

Signature
Nahan