

Himachal Pradesh  
Jal ShaktiVibhag

No. EE/JSDD/LAB/WTZ :-

6970

Date:--

28 <sup>6</sup>/<sub>23</sub>

To.

PRINCIPAL,  
D.A.V. PUBLIC SCHOOL  
Tiara, Distt Kangra(H.P).

**Subject :-** Examination of water sample.

**Reference :-** Your Letter No.Nil Dated- 23/06/023.

The water sample sent vide your letter under reference for Physical ,  
Chemical &Bacteriological examination, has been examined in Public Health  
Laboratory Dharamshala.Results, thereof, are sent herewith for your  
Information.

DA/One Report.

Executive Engineer,  
Jal Shakti Division,  
Dharamshala.

*Nishu*



## REPORT ON PHYSICAL &amp; CHEMICAL EXAMINATION OF WATER SAMPLE.

**Sender:** PRINCIPAL, D.A.V. PUBLIC SCHOOL  
TIARA - DISTT. KANGRA (H.P).  
(Water sample collected and forwarded by the sender).


Name of water supply scheme :- WSS SHAMIRPUR TIARA.  
Source :- Tubewell at Ballah.  
Where collected :- Tap Near Basketball ground of DAV Public School Tiara.  
Date and time of collection :- 23-06-2023 at 09:00.am.  
Date and time of arrival at Laboratory :- 23-06-2023 at 02:45.pm.  
Period of analysis ---do---  
Quantity & condition of sample Ok

**RESULTS**

Sr. No.	Parameter	Standard method followed for testing	Units	Results	2012 RA 2018	
					Desirable Limit	Permissible Limit in absence of alternate source
1	Colour	IS 3025 (Part 4): 2017	Hazen Scale	2	5	15
2	Taste	IS 3025 (Part 8): 2017	Qualitative	Agreeable	Agreeable	Agreeable
3	odour	IS 3025 (Part 5): 2018	Qualitative	Agreeable	Agreeable	Agreeable
4	Turbidity	IS 3025 (Part 10): 2017	NTU	1.6	1	5
5	pH ( at 25 °C )	IS 3025 (Part 11): 2017		7.2	6.5-8.5	6.5-8.5
6	Total Alkainity expressed as CaCO <sub>3</sub>	IS 3025 (Part 23): 2019	mg/l	100	200	600
7	Total Hardness expressed as CaCO <sub>3</sub>	IS 3025 (Part 21): 2019	mg/l	102	200	600
8	Chloride as Cl	IS 3025 (Part 32): 2019	mg/l	33	250	1000
9	Calcium as Ca	IS 3025 (Part 40): 2019	mg/l	32	75	200
10	Magnesium as Mg	IS 3025 (Part 46): 2019	mg/l	5.34	30	100
11	Total Dissolved Solids at 180 °C )	IS 3025 (Part 16): 2017	mg/l	118	500	2000

- Note: 1. The report shall not be produced partly or fully without approval of signatory authority for legal purpose.  
2. The result refer only to tested samples and parameters tested.  
3. Sample will be stored for period of 7 days from the date of issue of report.

**Date:** 28-06-2023

  
**Reviewed By**  
(Bharti Devi Jamwal)

  
**Authorized Signatory**  
(Bharti Devi Jamwal)

End of report.



## REPORT ON PHYSICAL CHEMICAL &amp; BACTERIOLOGICAL EXAMINATION OF WATER SAMPLE.

PHYSICAL EXAMINATION		
Parameter	Acceptable limit	Result
Appearance	--	Clear
Conductivity ( micro Siemens / cm )	--	234
Temperature (0°C)	---	---

CHEMICAL EXAMINATION ( Results in mg /l )					
Parameter	Acceptable limit	Result	Parameter	Acceptable limit	Result
Free carbon dioxide as CO <sub>2</sub>	--	47	Iron as Fe	0.3	Nil
Carbonate hardness CaCO <sub>3</sub>	--	100	Manganese as Mn	0.1	Nil
Non-carbonate hardness as CaCO <sub>3</sub>	--	2	Total residual chlorine as Cl <sub>2</sub>	0.2	Nil
Free and saline ammonia as N	--	0.1	Free residual chlorine as Cl <sub>2</sub>	--	--
Nitrite as N	--	Nil	Free residual chlorine as Cl <sub>2</sub>	--	--
Nitrate as N	10.16	--	Arsenic as As	0.01	N.D
Dissolved oxygen as O <sub>2</sub>	--	--			
Sulphate as SO <sub>4</sub>	200	--			
Fluoride as F	1.0	--			

**BACTERIOLOGICAL EXAMINATION**

MPN of coliforms : ( At 37°C for 48 hours in MacConkey broth )

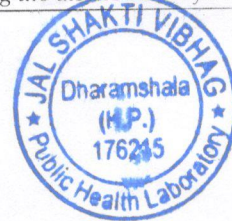
Nil/ 100ml

MPN of E.coli or Thermo Tolerant coliforms : (At 44°C for 24 hours in BGBL broth/ Tryptone Water).

Nil/ 100ml

( Coliform count should be zero in any sample of 100ml from water entering the distribution system )

REMARKS :-



Date :- 28/06/2023.

Asst. Chemist.

Authorized Signatory.

End of report.