



(Government of Jharkhand)
District Level Water Testing Laboratory, Chaibasa (West Singhbhum)
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Water Sample Analysis Report

Name & Address of Customer :	DAV PUBLIC SCHOOL, CHAIBASA		Ref. No. 2022J02
Source details (ex: Hand Pump, Pws, etc .)	Hand Pump	Sample Collected By:	*Customer
Date of start of analysis:	24/01/2022	Date of completion of analysis :	25/01/2022

I . Physico-chemical Parameters

Sl. No.	Parameter	Results	Method Reference	BIS10500:2012 (Acceptable- Permissible Limits)
1	pH	7.23	APHA -23 rd Edition 2017-4500 -H ⁺ B	6.5 - 8.5
2	Electrical Conductivity (uS/cm)	633.84	APHA -23 rd Edition 2017-2130	-----
3	Total Dissolved Solids (TDS)	412	APHA -23 rd Edition 2017-2540 - C	500 - 2000
4	Turbidity (NTU)	1.0	APHA -23 rd Edition 2017-2130 - B	1 - 5
5	Total Alkalinity as CaCO ₃	196	APHA -23 rd Edition 2017-2320 - B	200 - 600
6	Total Hardness as CaCO ₃	360	APHA -23 rd Edition 2017-2340 -C	200 - 600
7	Calcium as Ca ²⁺	75.2	APHA -23 rd Edition 2017-3500 Ca - B	25- 200
8	Magnesium as Mg ²⁺	41.28	APHA -23 rd Edition 2017 - 3500 - Mg - B	30 - 100
9	Chloride as Cl ⁻	129.03	APHA -23 rd Edition 2017-4500 - CL - B	250 - 1000
10	Sulphate as SO ₄ ²⁻	-	APHA -23 rd Edition 2017-4500 - SO ₄ - E	200 - 400
11	Sodium as Na ⁺	-	APHA -23 rd Edition 2017-3500 - Na - B	-----
12	Potassium as K ⁺	-	APHA -23 rd Edition 2017-3500 - K - B	-----
13	Fluoride as F ⁻	0.340	APHA -23 rd Edition 2017-4500 - F - C	1.0 - 1.5
14	Phosphate as PO ₄ ²⁻	-	APHA -23 rd Edition 2017-4500 - P- D	-----
15	Nitrate as NO ₃ ⁻	-	APHA -23 rd Edition 2017-4500 - NO ₃ -B	0 - 45.0
16	Total Iron as Fe	0.128	APHA -23 rd Edition 2017-3500 - Fe - B	1.0
17	Total Arsenic as As	0.0	APHA -23 rd Edition 2017-3500- As -B	0.01

II. Bacteriological Parameters

18	Total Coliforms (CFU/100mL)	-	APHA -23 rd Edition 2017- 9221 -D	Shall not be detectable in any 100 mL Sample
19	Thermotolerant Coliforms (CFU / 100mL)	-	APHA - 23 rd Edition 2017- 9221 - E	Shall not be detectable in any 100 mL Sample
20	H2S Vials for Bacteriological test	NO	TWAD Board , Chennai	Contamination (Yes /No)

Note: - All the parameters are expressed in milligrams/ litre (mg/L) except pH, Electrical Conductivity (uS/cm) and Turbidity (NTU)

Rhal
25/01/2022
for Executive Engineer
D.W.& S. Division
Chaibasa