



TC-13342

District Water Testing Laboratory
Public Health Engineering Division Jagdalpur, Dist.-Bastar (C.G.)
 Near Collectorate Road, Pin Code – 494001
 E-mail -: phelabjdp@gmail.com
Test Report
Group- Drinking Water

Report No. - DL/PHED/JDP/373		ULR-TC1334224000000373F		Sampled by – Mr. Babu Ram Besra	
Sender's Name and Address :- Principal, P.M. Shree Kendriya Vidhyalaya Hat Kachora Jagdalpur.		Sender's letter No. :		Q	Sender's Letter Date :
		DL Receipt No. :		274	DL Receipt Date :
		Date of Analysis started :		11-09-2024	Date of Analysis Completed :
					09-09-2024
					09-09-2024
					11-09-2024

Sample Details					
Sr no	Block	Sample ID	Village	Location / Source	
1	Jagdalpur	274/1842/Sep24	Hat Kachora	P.M. Shree Kendriya Vidhyalaya/General Tap Water	
2	Jagdalpur	274/1842/Sep24	Hat Kachora	P.M. Shree Kendriya Vidhyalaya/R.O. Fillter Water	

Details of parameters, their test method, units and specification as per IS 3025/APHA				Results					
Sr. No.	Characteristics	Unit of Measurement	Test Method	1	2				
1	Turbidity	NTU	IS 3025 Part No.-10 (2023)	1.6	0.8				
2	Colour	Hazen	IS 3025 Part No.-04 (2021)	5	5				
3	Odour		IS 3025 Part No.-05 (2018)	Agreeable	Agreeable				
4	pH	pH Scale	IS 3025 Part No.-11 (2022)	7.16	6.54				
5	Total Alkalinity as CaCO ₃	mg/L	IS 3025 Part No.-23 (2023)	179.41	39.61				
6	Total Dissolved Solid at 180°C±2°C	mg/L	IS 3025 Part No.-16 (2023)	400	60				
7	Chloride as Cl ⁻	mg/L	IS 3025 Part No.-32 (2019)	12.09	13.95				
8	Total Hardness as CaCO ₃	mg/L	IS 3025 Part No.-21 (2019)	192.08	66.64				
9	Calcium as Ca ²⁺	mg/L	IS 3025 Part No.-40 (2023)	57.34	14.92				
10	Magnesium as Mg ²⁺	mg/L	APHA 24 th 3500-Mg-B (2023)	11.90	7.14				
11	Fluoride as F ⁻	mg/L	APHA 24 th 4500-F- C (2023)	0.21	0.17				

1. The report should not be produced partly or full without approval of signatory authority of legal purpose.
2. It is recommended that acceptable limit is to be implemented. Value in excess of those mentioned under "Acceptable" render the water not suitable, but still may be tolerated in the absence of an alternative source but upto the limits indicated under the "permissible limit in the absence of alternate source" in column 7, above which the sources will have to be rejected.
3. The results refer only to tested samples and parameters.
4. This Lab does not hold any responsibility for variation in results for samples kept on hold for wants of clarification.
5. Samples will be stored for a period of 10 days from date of issue of report.

Remark:- 1. Results apply to the sample as received.
 2. Sampling not done by Laboratory's Staff.

Laboratory issue no. 373/Lab/Date:- 12-09-2024

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Hemant Kashyap
 Chemist/Authorized Signatory (NABL)

nat No.- DL/PHED/JDP/4.1

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Near Collectorate Road, Pin Code – 494001
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Sample Details

Sr no	Block	Sample ID	Village	Location / Source
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2	Jagdalpur	274/1843/Sep24	Hat Kachora	P.M. Shree Kendriya Vidhyalaya/R.O. Filter Water

Details of parameters, their test method, units and specification as per IS 3025/APHA

Results

Sr. No.	Characteristics	Unit of Measurement	Test Method	1	2				
1	Spec. Conductivity	µS/cm	IS 3025 Part No -14	650	90				
2	Nitrate as NO ₃ ⁻ (Screening Method)	mg/L	APHA 24 th 4500-NO ₃ -B	-	-				
3	Iron as Fe	mg/L	APHA 24 th 3500-Fe-B	0.2	0.1				
4	Manganese as Mn ⁺	mg/L	APHA 24 th 3500-Mn-B	-	-				
5	Sulphate as SO ₄ ²⁻	mg/L	IS 3025 Part No -24	-	-				
6	Residual Chlorine	mg/L	IS 3025 Part No -26	-	-				
7	E. Coli	CFU/100ml	APHA 24 th 9222 B	-	-				
	Total Coliform Bacteria	CFU/100ml	APHA 24 th 9222 B	-	-				

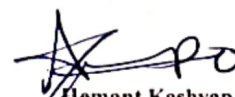
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Hemant Kashyap
Chemist

NABL Report Limit

Details of parameters, their test method, units and specification as per IS 3025/APHA				As Per IS - 10500-2012 (Second Revision) For Drinking Water	
Sr. No.	Characteristics	Unit of Measurement	Test method	Acceptable Limit	Permissible Limit in the absence of alternate source
1	Turbidity	NTU	IS 3025 Part No -10 (2023)	1	5
2	Colour	Hazen	IS 3025 Part No -04 (2021)	5-15	No Relaxation
3	Odour		IS 3025 Part No -05 (2018)	Agreeable	Agreeable
4	pH	pH Scale	IS 3025 Part No -11 (2022)	6.5-8.5	No Relaxation
5	Total Alkalinity as CaCO ₃	mg/L	IS 3025 Part No -23 (2023)	200	600
6	Total Dissolved Solid at 180°C±2°C	mg/L	IS 3025 Part No.-16 (2023)	500	2000
7	Chloride as Cl ⁻	mg/L	IS 3025 Part No.-32 (2019)	250	1000
8	Total Hardness as CaCO ₃	mg/L	IS 3025 Part No.-21 (2019)	200	600
9	Calcium as Ca ²⁺	mg/L	IS 3025 Part No.-40 (2023)	75	200
10	Magnesium as Mg ²⁺	mg/L	APHA 24 th 3500-Mg-B (2023)	30	100
11	Fluoride as F ⁻	mg/L	APHA 24 th 4500-F- C (2023)	1.0	1.5

Non - NABL Report Limit

Details of parameters, their test method, units and specification as per IS 3025/APHA				As Per IS - 10500-2012 (Second Revision) For Drinking Water	
Sr. No.	Characteristics	Unit of Measurement	Test method	Acceptable Limit	Permissible Limit in the absence of alternate source
✓ 1	Spec. Conductivity	μS/cm	IS 3025 Part No.-14	500	2000
2	Nitrate as NO ₃ ⁻ (Screening Method)	mg/L	APHA 24 th 4500-NO ₃ - B	45	No Relaxation
✓ 3	Iron as Fe	mg/L	APHA 24 th 3500- Fe- B	1.0	No Relaxation
4	Manganese as Mn ⁺	mg/L	APHA 24 th 3500-Mn-B	0.1	0.3
5	Sulphate as SO ₄ ²⁻	mg/L	IS 3025 Part No.-24	200	400
6	Residual Chlorine	mg/L	IS 3025 Part No -26	0.2	1
7	E. Coli	CFU/ 100ml	APHA 24 th 9222 B	Nil	Nil
✓ 8	Total Coliform Bacteria	CFU/ 100ml	APHA 24 th 9222 B	Nil	Nil