



TC-10004

District Water Testing Laboratory
Public Health Engineering Department, Division-Jagdalpur (C.G.)
 Near Collectorate Road, Pin Code - 494001
 e-mail :- phelabjdp@gmail.com

Test Report
Group- Drinking Water

Report No. - DL/PHED/JDP 473	TC 10094220000000473F	Sampled by -	
Sender's Name and Address :- Madan Lal Parekh Adeshwar Academy, Halba Kachora Jagdalpur.	Sender's Letter No DI Receipt No Date of Analysis started	Q 295 17.11.22	Sender's Letter Date : DI Receipt Date : Date of Analysis Completed
			16.11.22 16.11.22 17.11.22

Sample Details

Sr. No.	Block	Sample ID	Village	Location / Source
1	Jagdalpur	295 2264 Nov 22	Halba Kachora	Adeshwar Academy Bore

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

Results


Sr. No.	Characteristics	Unit of Measurement	Test method IS 3025 APHA 23 rd edition		I					
			Method	Part No.						
1	Turbidity	NTU	IS 3025	10	1.2					
2	Colour	Hazen	IS 3025	04	5					
3	Odour		IS 3025	05	Acceptable					
4	pH	pH Scale	IS 3025	11	6.16					
5	Total Alkalinity as CaCO ₃	mg L	IS 3025	23	91.56					
6	Total Dissolved Solid at 180°C ± 2°C	mg L	IS 3025	16	110					
7	Chloride as Cl ⁻	mg L	IS 3025	32	28.83					
8	Total Hardness as CaCO ₃	mg L	IS 3025	21	72.89					
9	Calcium as Ca ²⁺	mg L	IS 3025	40	9.47					
10	Magnesium as Mg ²⁺	mg L	APHA	3500-Mg-B	11.96					
11	Fluoride as F ⁻	mg L	APHA	4500-F-C	0.21					

- The report should not be produced partly or full without approval of signatory authority of legal purpose.
- 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.
- The results refer only to tested samples and parameters.
- This Lab does not hold any responsibility for variation in results for samples kept on hold for wants of clarification.
- 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. 473/Lab/Date-21.11.2022


 (Abdul Haleem)
 Authorized Signatory

District Water Testing Laboratory Public Health Engineering Department, Division-Jagdalpur (C.G.)

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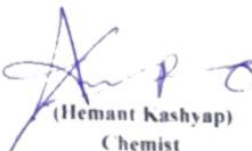
Results

Sr No	Characteristics	Unit of Measurement	Test method IS 3025: APHA 23rd edition		I				
			Method	Part No					
1	Spec. Conductivity	µS/cm	IS 3025	14	186				
2	Nitrate as NO ₃ (Screening Method)	mg/L	APHA	4500-NO ₃ -B	-				
3	Iron as Fe	mg/L	APHA	3500-Fe-B	0.2				
4	Manganese as Mn	mg/L	APHA	3500-Mn-B	-				
5	Sulphate as SO ₄ ²⁻	mg/L	IS 3025	24	-				
6	Residual Chlorine	mg/L	IS 3025	26	-				
7	1. Coli	CFU/100ml	APHA	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 IS 3025 /APHA 23 rd edition		Acceptable Limit	Permissible Limit in the absence of alternate source
			Method	Part No.		
1	Turbidity	NTU	IS 3025	10	1	5
2	Colour	Hazen	IS 3025	04	5-15	No Relaxation
3	Odour		IS 3025	05	Agreeable	Agreeable
4	pH	pH Scale	IS 3025	11	6.5-8.5	No Relaxation
5	Total Alkalinity as CaCO ₃	mg/L	IS 3025	23	200	600
6	Total Dissolved Solid at 180°C+2°C	mg/L	IS 3025	16	500	2000
7	Chloride as Cl ⁻	mg/L	IS 3025	32	250	1000
8	Total Hardness as CaCO ₃	mg/L	IS 3025	21	200	600
9	Calcium as Ca ²⁺	mg/L	IS 3025	40	75	200
10	Magnesium as Mg ²⁺	mg/L	APHA	3500-Mg-B	30	100
11	Fluoride as F ⁻	mg/L	APHA	4500-F-C	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 IS 3025 /APHA 23 rd edition		Acceptable Limit	Permissible Limit in the absence of alternate source
			Method	Part No.		
1	Spec. Conductivity	µS/cm	IS 3025	14	500	2000
2	Nitrate as NO ₃ ⁻ (Screening Method)	mg/L	APHA	4500-NO ₃ -B	45	No Relaxation
3	Iron as Fe	mg/L	APHA	3500-Fe-B	1.0	No Relaxation
4	Manganese as Mn ²⁺	mg/L	APHA	3500-Mn-B	0.1	0.3
5	Sulphate as SO ₄ ²⁻	mg/L	IS 3025	24	200	400
6	Residual Chlorine	mg/L	IS 3025	26	0.2	1
7	E. Coli	CFU/100ml	APHA	9222 B	Nil	Nil