Format No. - DL/PHED/JDP/4.1



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

Near Collectorate Road, Pin Code - 494001 e-mail -: phelabjdp a gmail.com

Test Report Group- Drinking Water

Report No DL/PHED/JDP 473			TC10094220000000473F			Sampled by -				
Sender's Name and Address :-			Sender's letter No.			Q	Sender's Letter Date	16 11.22		
Mad	an Lal Parekh Adeshwar Ad	ademy. 1	I Recei	pt No		295	DI. Receipt Date :	16.11.22		
Halb	s Kachora Jagdalpur.	10	ate of A	nalysis star	rted	17 11 22	Date of Analysis Completed	17 11.22		
				Sample	Details					
Se ano	Block Jagdalpur		npte ID			lage	Location - Source Adeshwar Academy Bore			
	1 agusayar	295.22	(m) 200 22		Halba	Kachora	Adeshwar Academy Bore			
			_		-					
-		l								
1300	tills of parameters, their test me	athod, units and spe SAPHA	ecification	n as per IS			Results			
	202.									
Sr.	Characteristics	Unit of	Test method 18 3025 APHA 23 rd edition							
No.		Measurement			,					
			Method Part		'					
				No.						
1	Turbidity	NTU	1S 3025	10	1.2					
2	Colour	Hazen	3025	()4	5					
3	Odour		1S 3025	05	Agrecable					
4	p 1 1	pH Scale	15 3025	11	6.16					
5	Total Alkalinity as CaCO,	mg L	1S 3025	23	91.56					
6	Treal Depotved Solid at 180°C : 2°C	mg L	18 3025	16	110					
7	Chloride as CT	mg T.	15 3025	32	28.83					
8	Total Hardness as CaCO ₁	mg L	1S 3025	21	72.89					
9	Calcium as Ca ²	mg I.	15 3025	40	9.47					
10	Magnesium as Mg ²	mg L	APHA	3400-VIg- B	11.96					
11	Fluorido as F	mg.L	APHA	4100-1 - C	0.21					

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.

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. 473/Lab/Date-21.11.2022

(Abdul Haleem)

Authorized Signatory

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Test Report Group- Drinking Water

Report No DL PHED JDP 473			TC10094220000000473F			Sampled by				
Sender's Name and Address:- Madan Lal Parekh Adeshwar Academy, Halba Kachora Jagdalpur			Sender's letter No.			Q	Sender's Letter Date	16 11 22		
			DI Re	ceipt No.		295	DL Receipt Date	16 11 22		
			and the same of th	f Analysis s	tarted	17 11.22	Date of Analysis Completed			
				Samp	le Details		, , , , , , , , , , , , , , , , , , , ,			
Scho	Block	San	nple ID		Vill	age	Location Source			
1	Jagdalpur	204.23	764 Nov 22		Halba K	achora	Adeshwar Academy Bore			
Deta	ails of parameters, their test me	thod, units and spe APHA	ecification	n as per IS			Results			
Sr No	Characteristics	Unit of Measurement	1est method 18 3025 APHA 23rd edition					1		
			Method	Part No						
1	Spec Conductivity	μS cm	15 3025	14	186					
2	Nitrate as NO. (Screening Method)	mg L	APHA	45(n)-N() -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 ₂ :	mg L	IS 3025	24	-					
6	Residual Chlorine	mg.L.	18 3025	26						
7	1 Coli	CFU 100ml	APHA	9222 B	•					

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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.", above which the sources will have to be rejected. The results refer only to tested samples and parameters.

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NABL Report Limit

Details of parameters, their test method, units and specification as per IS 3025/APHA St. Characteristics					As Per IS - 10500-2012 (Second Revision) For Drinking Water	
No.	Characteristics	Unit of Measurement	Test method IS 3025 /APHA 23 rd edition		Acceptabl e Limit	Permissibl e Limit in the
1			Method	Part No.		absence of alternate
2	Turbidity Colour	NTU	IS 3025	10	1	5
3		Hazen	IS 3025	04	5-15	No Relaxation
4	Odour		IS 3025	05	Agreeable	Agrecable
5	pH	pH Scale	IS 3025	11	6.5-8.5	No Relaxation
	Total Alkalinity as CaCO ₃	mg/L	1S 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 me IS 3025 23 rd edi	/APHA	Acceptab le 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 ₁ (Screening Method)	mg/L	APHA	4500-NO ₁ -B	45	No Relaxation	
3	Iron as Fe	mg/L	APHA	3500- Fe- B	1.0	No Relaxation	
4	Manganese as Mn'	mg/L	APHA	3500-Mn- B	0.1	0.3	
5	Sulphate as SO ₄ ²	mg/L	1S 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	