



District Water Testing Laboratory
Public Health Engineering Department, Div. Raigarh
 Near PHE, Central Store Campus, Chakradhar Nagar Raigarh C.G.

e-mail:- phedrghlab1990@gmail.com

Test Report (Drinking Water)



TC-13241

Report no. DL/PHED/RGIL - 140	Discipline:- Chemical Testing	Group:- Drinking Water	ULR no. :- TC13241250000000137F	
Senders Name :- Principal Academic Brights Public School, Rajghatta Kharsia, Raigarh (C.G.)	Senders letter no./Date	1217/02.05.2025	Sampled by	By Client
	Sample collection date	02.05.2025	Sampling Plan & procedure	Sampling is not done by laboratory staff
	DL receipt no.	93	DL Receipt date	02.05.2025
	Date of analysis started	02.05.2025	Date of analysis completed	03.05.2025

Sample Details

S No.	Sample ID	District/Block	Panchayat/Village	Habitation	Location/Source ID/GPS Identification
1	DL/RGH-25/526	Raigarh/ Kharsia	Rajghatta	-	Campus Of Academic Brights Public School, Rajghatta

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

S.No.	Parameters	Test method IS:3025/APHA 24th ed.		unit	As per IS-10500-2012(Second Rev) for drinking water		Results				
		method	Part no.		Acceptable Limit	Permissible Limit	1	2	3	4	5
1	2	3	4	5	6	7					
1	Colour	APIHA24th ed	2120-B	Hazen	5	15	2				
2	Odour	APIHA24th ed	Part 5	-	Agreable	Agreable	Ag.				
3	TDS (Total Dissolved Solids)	APIHA24th ed	Part-2540-C	mg/L	500	2000	270				
4	Chloride as Cl-	APIHA24th ed	Part-4500-Cl-B	mg/L	250	1000	36.04				
5	Alkalinity as CaCO ₃	APIHA24th ed	Part-3220- B	mg/L	200	600	170.34				
6	Total Hardness as CaCO ₃	APIHA24th ed	Part-2340- C	mg/L	200	600	192.38				
7	Calcium as Ca ²⁺	APIHA24th ed	3500- Ca- B	mg/L	75	200	45.78				
8	Magnesium as Mg ²⁺	APIHA24th ed	3500- Mg-B	mg/L	30	100	18.99				
9	pH	IS:3025	Part-11	pH Scale	6.5-8.5	No Relaxation	7.1				
10	Turbidity	IS:3025	Part-10	NTU	1	5	2.81				

1. The report should not be produced partly or full without approval signatory authority of legal purpose.

2. The results refer only to tested samples and parameters.

3. Samples will be stored for a period of 10 days from date of issue of report.

4. This Lab does not hold any responsibility for variation in results for samples kept on hold for wants of clarification.

Remarks - 1. Results apply to the sample as received.

2. Sampling not done by Lab staff.

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Tested by :- Khominath Sahu

(Raju George)
Authorized Signatory

****End Of Report****



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Test Report (Drinking Water)

Report no. DL/PHED/RGIL - 140	Discipline:- Chemical Testing	Group:- Drinking Water		
Senders Name :- Principal Academic Brights Public School, Rajghatta Kharsia, Raigarh (C.G.)	Senders letter no./Date	1217/02.05.2025	Sampled by	By Client
	Sample collection date	02.05.2025	Sampling Plan & procedure	Sampling is not done by laboratory staff
	DL receipt no.	93	DL Receipt date	02.05.2025
	Date of analysis started	02.05.2025	Date of analysis completed	03.05.2025

Sample Details

S No.	Sample ID	District/Block	Panchayat/Village	Habitation	Location/Source ID/GPS Identification
1	DL/RGIL-25/526	Raigarh/ Kharsia	Rajghatta	-	Campus Of Academic Brights Public School, Rajghatta

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

S. No.	Parameters	Test method IS:3025/APHA 24th ed.		unit	As per IS-10500-2012(Second Rev) for drinking water		Results				
		method	Part no.		Acceptable Limit	Permissible Limit	1	2	3	4	5
1	2	3	4	5	6	7					
1	Iron	APHA24th ed	3500-Fe-B	mg/L	0.3	01	0.19				
2	Nitrates	APHA24th ed	4500-NO ₃ -B	mg/L	45	45	-				
3	Fluoride	APHA24th ed	4500-F-C	mg/L	1.0	1.5	0.38				
4	Sulphate	APHA24th ed	IS:3025	mg/L	200	400	-				
5	Conductivity	IS:3025	Part- 14	µmho/cm	-	-	415				
6	Total Coliform	-	-	CFU/100ml	Nil	Nil	00 (24 Hours)				
7	Residual Chlorin	-	-	mg/L	0.2	1	-				
8	Taste	IS:3025	Part- 8	-	Agreeable	Agreeable	Aggr.				

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Chemist / Lab Incharge
District Water Testing Laboratory
P.H.E.D. Raigarh C.G

Lab Assistant
District Water Testing Laboratory
P.H.E.D. Raigarh C.G

****End Of Report****