



District Water Testing Laboratory
Public Health Engineering Department, Div. Mahasamund
Near collector office, Behind RTO office, BTI road, Mahasamund (C.G.) Pin Code- 493443
Phone - 07725-295180 Email ID - mahas-phd-cg@gov.in
ISO /IEC 17025 :2017 (NABL Accredited Laboratory)

Test Report (Drinking Water)

Report No: DI/PHED/MAH - 349		Discipline: Chemical Testing	Group: Drinking water	C.L.R No: TC1759800000001499	
Senders name & address: Riverdale world school, Mahasamund		Senders letter no./Date	27.05.2026	Sampled by	Customer
		DI Receipt no.	149	Sampling Place & procedure	Sampling not done by Lab staff
		Date of analysis started	27.05.2026	DI Receipt date	27.05.2026
		Date of analysis completed	27.05.2026		
		Environmental Conditions	23 °C ± 5 °C	Physical Condition of sample	OK
Sample Details					
S.N	Sample ID	Block	City / Village	Habitation/Location/Source	Type of Sample
1	149/05/26/813	-	-	Riverdale world school, Mahasamund	R.O

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

S.N	Parameters	Test method IS:3025/APHA 24th ed.		Unit	As per IS-10500-2012 (Second Revision) Drinking water		Result of S.No					
		Method	Part no.		Acceptable limit	Permissible limit	1	2	3	4	5	6
1	2	3	4	5	6	7						
1	Chloride as Cl ⁻	APHA :2024	4500-Cl-B	mg/L	250	1000	47.89	-	-	-	-	-
2	Total Dissolved solids	APHA : 2024	2540-C	mg/L	500	2000	286	-	-	-	-	-
3	Alkalinity as CaCO ₃	APHA : 2024	2320-B	mg/L	200	600	111.53	-	-	-	-	-
4	Calcium as Ca ²⁺	APHA : 2024	3500-Ca-B	mg/L	75	200	50.29	-	-	-	-	-
5	Magnesium as Mg ²⁺	APHA : 2024	3500 Mg-B	mg/L	30	100	23.60	-	-	-	-	-
6	pH	IS:3025 :2022	Part-11	pH scale	6.5-8.5	No relaxation	7.20	-	-	-	-	-
7	Turbidity	IS:3025 : 2023	Part-10	NTU	1	5	0.83	-	-	-	-	-
8	Total Hardness as CaCO ₃	APHA : 2024	2340-C	mg/L	200	600	222.64	-	-	-	-	-
9	Taste	IS:3025 : 2023	Part-8	-	Agreeable	Agreeable	NA	-	-	-	-	-
10	Odour	IS:3025 :2018	Part-5	-	Agreeable	Agreeable	Agr.	-	-	-	-	-
11	Color	APHA : 2024	2120-B	Hazen	5	15	5	-	-	-	-	-

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.
 5. Agreeable is denoted by Agr.
- Note - 1. Results apply to the sample as received.**
2. The Laboratory does not give interpretation on Test result Passed/ Failed.
*NA - Not Analyzed

Report Reviewed & approved by


(Ajay Kumar Prajapati)
Authorized Signatory

District Water Testing Laboratory

Public Health Engineering Department, Div. Mahasamund

Near collector office, Behind RTO office, BTI road, Mahasamund (C.G.) Pin Code-493445

Phone - 07723-299140 Email ID - eemah-phe-cg@gov.in

Test Report (Drinking Water)

Report no. DL/PHED/MAH - 149	Group:-	Drinking water		
Senders name & address:- Riverdale world school, Mahasamund	Senders letter no./Date	-/27.05.2026	Sampled by	Customer
	DI. receipt no.	149	Sampling Plan & procedure	Sampling not done by Lab staff
	Date of analysis started	27.05.2026	DI. Receipt date	27.05.2026
	Environmental Conditions	23 °C ± 5 °C	Date of analysis completed	28.05.2026

Sample Details

S.N	Sample ID	Block	City / Village	Habitation/Location/Source	Type of Sample
1	149/05/26/S13	-	-	Riverdale world school, Mahasamund	R.O

S. N	Parameters	Test method IS:3025/APHA 24th ed.		Unit	As per IS-10500-2012 (Second Revision) Drinking water		Result of S.No					
		Method	Part no.		Acceptable limit	Permissible limit	1	2	3	4	5	6
1	2	3	4	5	6	7						
12	Fluoride as F	APHA :2024	4500-F-C	mg/L	1	1.5	0.087	-	-	-	-	-
13	Residual Chlorine	-	-	mg/L	0.2	1	0.0	-	-	-	-	-
14	Sulphate as SO ₄ ²⁻	IS:3025	Part- 24	mg/L	200	400	24.6	-	-	-	-	-
15	Nitrate as NO ₃	APHA :2024	4500-NO ₃ -B	mg/L	45	45	12.47	-	-	-	-	-
16	Iron as Fe	APHA :2024	3500-Fe-B	mg/L	1.0	1.0	0.270	-	-	-	-	-
17	E.coli	APHA :2024	9222-J	CFU/100 ml	Nil	Nil	Nil	-	-	-	-	-

- The report should not be produced partly or full without approval signatory authority of legal purpose.
 - The results refer only to tested samples and parameters.
 - Samples will be stored for a period of 10 days from date of issue of report.
 - This Lab does not hold any responsibility for variation in results for samples kept on hold for wants of clarification.
- Note- 1. Results apply to the sample as received.**


CHEMIST
 Water Testing Laboratory
 P.H.E Sub Div. Mahasamund (C.G)