District Water Testing Laboratory

Public Health Engineering Department, Division Ambikapur

Shree Mahaveer Ward No. 20 Bangali Chowk,, Ambikapur,Distt. Surguja(C.G.)
Email:-eeamb-phe-cg@nic.in

Test Report (Drinking Water)

Report No. :- 463	Discipline:- Chemical Testing	Group:- Drinking Water	TC -16638	Temperature:- 25.6°C
			Lab ID : T- 11304	Humidity:- 60%
Costumer Name & Address :- DAV Mukhyamantri Public School Narmadapur, Mainpat Dist. :- Surguja (C.G.)	Costumer Letter No./Date	17042/49-11.03.2026	Sampled by	School staff
	Sample Collection Date	12/03/2026	Sample Condition	Good, 1 litre at 4 ºC
	DL Receipt No.	03/2026-463	DL Receipt Date	12/03/2026
	Date of Analysis Started	12/03/2026	Date of Analysis Completed	16/03/2026

Sample Details

S.N.	Sample I.D.	District / Block	City / Village	Habitation	Location/Source ID/GPS Identification
1.	DL/PHED/AMB-1777	Surguja/Mainpat	Mainpat	Narmadapur	DAV School Narmadpur – Filter WAter
2.					
3.					
4.					
5.					

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

S. N.	Parameters	Test method IS:3025/APHA 23rd ed. Method	Unit	As per IS-10500-2012 Drinking Water		Result of S.No.				
				Acceptable Limit	Permissible Limit	01	02	03	04	05
(1)	(2)	(3)	(4)	(5)	(6)	-	-	-	-	-
1	Turbidity	APHA24th edition-2130-Turbidity Method B	NTU	1	5	0.70				
2	Colour	APHA24th edition-2120-Colour Method B(Platinum Cobalt Visual Comparison)	HU	5	15	1.00				
3	Odour	IS:3025(Part 5)		Agree	Agree	Agr.				
4	Taste	IS:3025(Part 8)		Agree	Agree	Agr.				
5	PH @25°	APHA24th edition-4500-H+Method B	PH scale	6.5-8.5	6.5-8.5	6.07				
6	Alkalinity as $CaCO_3$	APHA24th edition-2320-Alkalinity Method B(Titration Method)	mg/l.	200	600	40.64				
7	TDS	APHA24th edition-2540-TDS Method C(Dried at 180 Degree Celsius)	mg/l.	500	2000	65.00				
8	Chloride as Cl	APHA24th edition-4500-Cl Method B(Argentometric Method)	mg/l.	250	1000	36.72				
9	Total Hardness as Ca CO_3	APHA24th edition-2340-Hardness Method C(EDTA method)	mg/l.	200	600	40.32				
10	Calcium as Ca++	APHA24th edition-3500-Ca method B(EDTA Method)	mg/l.	75	200	10.48				
11	Magnesium as Mg++	APHA24th edition-3500-Mg Method B(By CalHUlation)	mg/l.	30	100	3.42				

Remark:-

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 as received from the costumer.
3. Samples will be stored for a period of 10 days from date of issue of report.
4. The laboratory is responsible for all this informations given in this report.

****** End Of Report******

(K.K. Sinha)
Quality Manager
Report Reviewed & Authorised by
District Water Testing Laboratory
DWTL PHED Ambikapur Surguja (C.G.)
PHED, Ambikapur,Surguja (C.G.)

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

S. N.	Parameters	Test method IS:3025/APHA 23rd ed.		Unit	As per IS-10500-2012 Drinking Water		Result of S.No.				
		Method	Part No.		Acceptable Limit	Permissible Limit	1	2	3	4	5
(1)	(2)	(3)	(4)	(5)	(6)	(7)					
1	Spe. Conductivity @25 °C	IS:3025	Part-14	µS/cm	-	-	101.56				
2	Nitrate as NO_3	APHA 23rd ed.	Part -2120B	Mg/l	45	45	N.D.				
3	Iron as Fe^{++}	APHA 23rd ed.	Part -05	Mg/l	0.1	1.0	N.D.				
4	Fluoride as F	APHA 23rd ed.	Part- 7/8	Mg/l	1.0	1.5	0.28				
5	Residual Chlorine	-	-	Mg/l	0.2	1.0	N.D.				
6	Sulphate(as SO_4)	-	-	Mg/l	200	400	6.00				
7	Bacteriological	H_2S(Vials Kits Analy.)	(24 hrs/48 hrs)	24 Hrs	-	-	Absent				
				48 Hrs	-	-	Absent				

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**** End Of Report****

Chemist/Lab Incharge
District Water Testing Laboratory
P.H.E.D. Ambikapur Distt- Surguja(C.G.)

Water Testing Laboratory
P.H.E. Sub Division
Ambikapur