

Sample ID: Chem. 119/25

ULR No. TC 1084525000001513F



STATE PUBLIC HEALTH LABORATORY, ASSAM
BAMUNIMAIDAM, GUWAHATI-781021



TC-10845

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No.VII-170/2024/ 835, Dated Guwahati, the 17/02 /2025

REPORT ON ANALYSIS OF DRINKING WATER (IS 10500:2012)

Customer Name & Address : K. C. Das Commerce College, Chatribari, Guwahati- 781008
Sample Description : Boring water (Raw)
Your No. : 1
Place of Collection : K. C. Das Commerce College, Chatribari, Guwahati- 781008
Date of Receipt : 04.02.2025
Date of Analysis : Start: 05.02.2025; End: 05.02.2025

Sl. No.	Parameter	Nature of method used	Result	Desirable limit
1	Appearance	-	Almost Clear	Clear
2	Odour	-	Unobjectionable	Unobjectionable
3	Turbidity, NTU	FSSAI Manual 2016, Sec A,I, 5.1. Pg-26	4.8	5 (Max)
4	pH Value	7.06	7.01	6.5 to 8.5
5	Total Hardness (as CaCO ₃), mg/l	FSSAI Manual 2016, Sec A,II, 8.A. Pg- 99	134.0	200 (Max)
6	Iron (as Fe), mg/l	FSSAI Manual	0.48	0.30 (Max)
7	Chloride (as Cl), mg/l	FSSAI Manual 2016, Sec A,II, 5.A. Pg- 76	5.96	250 (Max)
8	Residual Free Chlorine mg/l	FSSAI Manual 2016, Sec A,II, 11.A. Pg- 116	Nil	0.20 (Max)
9	Fluoride, (as F), mg/l	FSSAI Manual 2016, Sec A,II, 7.1.A. Pg-90	0.7	1.0 (Max)
10	Total dissolved solids, mg/l	FSSAI Manual 2016, Sec A,I,6.A. Pg-29	282.0	500 (Max)
11	Total Calcium, (as Ca), mg/l	FSSAI Manual 2016, Sec A,II, 14.A. Pg- 14	35.2	75 (Max)
12	Magnesium, (as Mg), mg/l	FSSAI Manual 2016, Sec A,II, 6.1. Pg- 85	11.22	30 (Max)

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Sl. No.	Parameter	Nature of method used	Result	Desirable limit
13	Manganese (as Mn), mg/l	FSSAI Manual	Nil	0.10 (Max)
14	Sulphate, (as SO ₄), mg/l	FSSAI Manual 2016, Sec A,II, 10.A. Pg- 107	27.14	200 (Max)
15	Total alkalinity (as CaC ₃ , mg/l)	FSSAI Manual 2016, Sec A,II, 9. Pg- 104	185.0	200 (Max)

Note: Results are only with respect to the items tested. All tests are performed in the laboratory location only. Results apply to the sample as received.

Opinion: The sample of water does not conform to the prescribed standard of drinking water as per IS 10500: 2012 with respect to the analysis of the parameter "Iron".



Dated Guwahati, the 17.02.2025

Kalyanee Bargohain
(Kalyanee Bargohain)

Food Analyst, Dist. Kamrup Metropolitan (Assam)

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