

Sample ID: Chem. 1115/24



STATE PUBLIC HEALTH LABORATORY, ASSAM  
BAMUNIMAIDAM, GUWAHATI-781021



TC-10845

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No.VII. (III)/2024/ 10,104, Dated Guwahati, the 03/12 /2024

**REPORT ON ANALYSIS OF DRINKING WATER (IS 1050: 2012)**

**Customer Name & Address** : Brahmaputra Valley English Academy Add. Pachaniapara, Bongara, Dist. Kamrup(M) (Assam)

**Sample Description** : Boring water

**Your No.** : -

**Place of Collection** : Pachaniapara, Bongara, Dist. Kamrup(M) (Assam)

**Date of Receipt** : 12.11.2024

**Date of Analysis** : Start: 14.11.2024; End: 14.11.2024

Sl. No.	Parameter	Nature of method used	Result	Desirable limit
1	Appearance	-	Clear	Clear
2	Odour	-	Unobjectionable	Unobjectionable
3	Turbidity, NTU	FSSAI Manual 2016, Sec A,I, 5.1. Pg-26	0.0	5 (Max)
4	pH Value	FSSAI Manual 2016, Sec A,II, 3.A. Pg- 17	6.50	6.5 to 8.5
5	Total Hardness (as CaCO <sub>3</sub> ), mg/l	FSSAI Manual 2016, Sec A,II, 8.A. Pg- 99	80.0	200 (Max)
6	Iron (as Fe), mg/l	FSSAI Manual	0.02	0.30 (Max)
7	Chloride (as Cl), mg/l	FSSAI Manual 2016, Sec A,II, 5.A. Pg- 76	3.97	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	0.6	1.0 (Max)
10	Total dissolved solids, mg/l	FSSAI Manual 2016, Sec A,I,6.A. Pg-29	128.0	500 (Max)
11	Total Calcium, (as Ca), mg/l	FSSAI Manual 2016, Sec A,II, 14.A. Pg- 14	17.6	75 (Max)





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Sl. No.	Parameter	Nature of method used	Result	Desirable limit
12	Magnesium, (as Mg), mg/l	FSSAI Manual 2016, Sec A,II, 6.1. Pg- 85	8.78	30 (Max)
13	Manganese (as Mn), mg/l	FSSAI Manual	Nil	0.10 (Max)
14	Sulphate, (as SO <sub>4</sub> ), mg/l	FSSAI Manual 2016, Sec A,II, 10.A. Pg- 107	11.14	200 (Max)
15	Total alkalinity (as CaC <sub>3</sub> ), mg/l	FSSAI Manual 2016, Sec A,II, 9. Pg- 104	23.0	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 is chemically satisfactory with respect to the tests carried out.



Dated Guwahati, the 03.12.2024

*Neel Kamal Kalita*  
(Dr. Neel Kamal Kalita)  
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