



**STATE PUBLIC HEALTH LABORATORY, ASSAM  
BAMUNIMAIDAM, GUWAHATI-781021**



TC-10845

Email: [foodanalyst@sphlassam.org](mailto:foodanalyst@sphlassam.org)Website: [www.sphlassam.org](http://www.sphlassam.org)

Office Contact No. +91 7099015100

No.VII-168/2025/ 9349, Dated Guwahati, the 18/11 /2025

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

**Customer Name & Address** : Homeland School,  
Add. Khamari Tikrikilla, Meghalaya, Dist. West Garo Hills

**Sample Description** : Boring water

**Your No.** : -

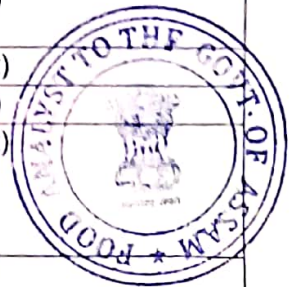
**Place of Collection** : Homeland School, Khamari Tikrikilla, Meghalaya, Dist. West Garo Hills

**Date of Receipt** : 10.11.2025

**Date of Analysis** : Start: 12.11.2025; End: 12.11.2025

**Physical Appearance** : Clear

| Sl. No | Parameter                                    | Nature of method used                                  | Result | Prescribed standard as per Food Safety and Standards Regulation-2.10.9 of Food Safety and Standards (Food Products Standards and Food Additives) Regulation, 2011 and IS 10500:2012 |
|--------|----------------------------------------------|--------------------------------------------------------|--------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1      | Turbidity, NTU                               | FSSAI 14.007:2024                                      | 0.0    | 5 (Max)                                                                                                                                                                             |
| 2      | pH Value                                     | FSSAI 14.004:2024                                      | 6.0    | 6.5 to 8.5                                                                                                                                                                          |
| 3      | Total Hardness (as CaCO <sub>3</sub> ), mg/l | FSSAI 14.026:2024                                      | 76.0   | 200 (Max)                                                                                                                                                                           |
| 4      | Iron (as Fe), mg/l                           | FSSAI 14.047:2024                                      | 0.02   | 0.30 (Max)                                                                                                                                                                          |
| 5      | Chloride (as Cl), mg/l                       | FSSAI 14.018:2024                                      | 11.25  | 250 (Max)                                                                                                                                                                           |
| 6      | Residual Free Chlorine mg/l                  | FSSAI Manual of Methods for Analysis of Water Page 116 | Nil    | 0.20 (Max)                                                                                                                                                                          |
| 7      | Fluoride, (as F), mg/l                       | FSSAI 14.023:2024                                      | 0.3    | 1.0 (Max)                                                                                                                                                                           |





**STATE PUBLIC HEALTH LABORATORY, ASSAM  
BAMUNIMAIDAM, GUWAHATI-781021**

TC-10845

Email: [foodanalyst@sphlassam.org](mailto:foodanalyst@sphlassam.org)Website: [www.sphlassam.org](http://www.sphlassam.org)

Office Contact No. +91 7099015100

| Sl. No | Parameter                                     | Nature of method used | Result | Prescribed standard as per Food Safety and Standards Regulation-2.10.9 of Food Safety and Standards (Food Products Additives) Regulation, 2011 and IS 10500:2012 |
|--------|-----------------------------------------------|-----------------------|--------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 8      | Total dissolved solids, mg/l                  | FSSAI 14.008:2024     | 182.0  | 500 (Max)                                                                                                                                                        |
| 9      | Total Calcium, (as Ca), mg/l                  | FSSAI 14.035:2024     | 13.6   | 75 (Max)                                                                                                                                                         |
| 10     | Magnesium, (as Mg), mg/l                      | FSSAI 14.022:2024     | 10.24  | 30 (Max)                                                                                                                                                         |
| 11     | Sulphate, (as SO <sub>4</sub> ), mg/l         | FSSAI 14.028:2024     | 28.57  | 200 (Max)                                                                                                                                                        |
| 12     | Total alkalinity (as CaCO <sub>3</sub> ) mg/l | FSSAI 14.027:2024     | 79.8   | 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 unsatisfactory with respect to the pH value & hence needs proper treatment.



Dated Guwahati, the 18.11.2025

(A. Gogoi)

Food Analyst to the Govt. of Assam  
Bamunimaidam, Guwahati- 21

**The report shall not be reproduced except in full, without the approval of the laboratory.  
---End of Report---**