

Shanghai Aladdin Biochemical Technology Co., LTD  
809 Chuhua Branch Road, Fengxian District, Shanghai 201400, China

## Certificate of Analysis

Date of Testing: 2023-05-12 16:48:24  
Date of Next Testing: 2027-05-11 16:48:24  
Product Name: **Sodium bicarbonate**  
CAS Number: 144-55-8  
Specifications & Purity: reagent grade, ≥99.8%  
Lot #: E23081081  
SKU #: **S112331**  
Analysis: **223034**

| Parameter                      | Limit Values          | Result                |
|--------------------------------|-----------------------|-----------------------|
| Nitrogen by Elemental Analysis | 0-0.001 (%)           | 0.00000 %             |
| Assay                          | 99.8-100 (%)          | 99.89700 %            |
| Insoluble matter in H2O        | 0-0.01 (%)            | 0.00300 %             |
| Sulfate(SO42-)                 | 0-0.005 (%)           | 0.00200 %             |
| Calcium(Ca)                    | 0-0.007 (µg/mg)       | 0.00410 µg/mg         |
| Potassium(K)                   | 0-0.01 (%)            | 0.00600 %             |
| Iron(Fe)                       | 0-0.001 (%)           | 0.00000 %             |
| Magnesium(Mg)                  | 0-0.003 (%)           | 0.00150 %             |
| Silicate(SiO3)                 | 0-0.005 (%)           | 0.00370 %             |
| Aluminum(Al)                   | 0-0.01 (%)            | 0.00400 %             |
| Chloride and Bromide(As Cl-)   | 0-0.002 (%)           | 0.00100 %             |
| Heavy metal (as Pb)            | 0-0.001 (%)           | 0.00000 %             |
| Phosphate(PO4)                 | 0-0.002 (%)           | 0.00120 %             |
| X-Ray Diffraction              | Conforms to Structure | Conforms to Structure |



John Su  
QA & QC Manager