

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

## Certificate of Analysis

Date of Testing: 2024-08-16 10:42:39  
Date of Next Testing: 2028-08-15 10:42:39  
Product Name: **Sodium bicarbonate**  
CAS Number: 144-55-8  
Specifications & Purity: reagent grade, ≥99.8%  
Lot #: H2405533  
SKU #: **S112331**  
Version: **2**  
Analysis #: **400139**

| Parameter                                                 | Limit Values          | Result                |
|-----------------------------------------------------------|-----------------------|-----------------------|
| Nitrogen by Elemental Analysis                            | 0-0.001 (%)           | 0.00100 %             |
| Assay                                                     | 99.8-100 (%)          | 99.84000 %            |
| Insoluble matter in H <sub>2</sub> O                      | 0-0.01 (%)            | 0.00000 %             |
| Sulfate(SO <sub>4</sub> <sup>2-</sup> )                   | 0-0.005 (%)           | 0.00000 %             |
| Potassium(K)                                              | 0-0.01 (%)            | 0.00020 %             |
| Iron(Fe)                                                  | 0-0.001 (%)           | 0.00000 %             |
| Magnesium(Mg)                                             | 0-0.003 (%)           | 0.00000 %             |
| Heavy metal (as Pb)                                       | 0-0.001 (%)           | 0.00000 %             |
| Chloride (Cl <sup>-</sup> )                               | 0-0.002 (%)           | 0.00000 %             |
| Phosphates and silicates(calculated as SiO <sub>2</sub> ) | 0-0.005 (%)           | 0.00000 %             |
| Calcium(Ca)                                               | 0-0.007 (%)           | 0.00000 %             |
| X-Ray Diffraction                                         | Conforms to Structure | Conforms to Structure |



John Su  
QA & QC Manager