

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2026-01-20 11:42:58  
Date of Next Testing: 2030-01-19 11:42:58  
Product Name: **Sodium bicarbonate**  
CAS Number: 144-55-8  
Specifications & Purity: AR, ≥99.8%  
Lot #: A2612474  
SKU #: **S112331**  
Version: **3**  
Analysis #: **600290**  
Storage Temperature: Room temperature

| Parameter                                    | Limit Values          | Result                |
|--|-----------------------|-----------------------|
| Insoluble matter in H2O                      | 0-0.01 (%)            | 0.00000 %             |
| Sulfate(SO42-)                               | 0-0.005 (%)           | 0.00000 %             |
| Potassium(K)                                 | 0-0.01 (%)            | 0.00060 %             |
| Iron(Fe)                                     | 0-0.001 (%)           | 0.00000 %             |
| Magnesium(Mg)                                | 0-0.003 (%)           | 0.00000 %             |
| Heavy metal (as Pb)                          | 0-0.001 (%)           | 0.00000 %             |
| Phosphates and silicates(calculated as SiO2) | 0-0.005 (%)           | 0.00090 %             |
| Calcium(Ca)                                  | 0-0.007 (%)           | 0.00000 %             |
| Nitrogen by Elemental Analysis               | 0-0.001 (%)           | 0.00080 %             |
| Assay  | 99.8-100 (%)          | 99.90000 %            |
| Chloride (Cl-)                               | 0-0.002 (%)           | 0.00200 %             |
| X-Ray Diffraction                            | Conforms to Structure | Conforms to Structure |



John Su  
QA & QC Manager