

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-04-27 18:02:28

Date of Next Testing: 2029-04-26 18:02:28

Product Name: **Sodium bicarbonate**

CAS Number: 144-55-8

Specifications & Purity: AR, ≥99.8%

Lot #: D2522493

SKU #: **S112331**

Version: **3**

Analysis #: **496105**

Storage Temperature: Room temperature

| Parameter                                                 | Limit Values          | Result                |
|-----------------------------------------------------------|-----------------------|-----------------------|
| Insoluble matter in H <sub>2</sub> O                      | 0-0.01 (%)            | 0.00000 %             |
| Sulfate(SO <sub>4</sub> <sup>2-</sup> )                   | 0-0.005 (%)           | 0.00110 %             |
| Potassium(K)                                              | 0-0.01 (%)            | 0.00100 %             |
| 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 %             |
| Assay                                                     | 99.8-100 (%)          | 99.81200 %            |
| Nitrogen by Elemental Analysis                            | 0-0.001 (%)           | 0.00050 %             |
| X-Ray Diffraction                                         | Conforms to Structure | Conforms to Structure |



John Su  
QA & QC Manager