

Certificate of Analysis

Date of Testing: 2024-05-15 10:24:40
Date of Next Testing: 2028-05-14 10:24:40
Product Name: **Sodium bicarbonate**
CAS Number: 144-55-8
Specifications & Purity: Guaranteed Reagent, ≥99.8%
Lot #: E2414159
SKU #: **S112334**
Analysis: **358256**

| Parameter | Limit Values | Result |
|---|-----------------------|-----------------------|
| Assay | 99.8-100 (%) | 99.99% |
| Chloride and Bromide(As Cl-) | 0-0.001 (%) | 0.00% |
| Calcium(Ca) | 0-0.005 (µg/mg) | 0.00 µg/mg |
| Potassium(K) | 0-0.005 (%) | 0.00% |
| Aluminum(Al) | 0-0.005 (%) | 0.00% |
| Nitrogen by Elemental Analysis | 0-0.0005 (%) | 0.00% |
| Silicate(SiO ₃) | 0-0.001 (%) | 0.00% |
| Heavy metal (as Pb) | 0-0.0005 (%) | 0.00% |
| Magnesium(Mg) | 0-0.002 (%) | 0.00% |
| Sulfate(SO ₄ ²⁻) | 0-0.002 (%) | 0.00% |
| Insoluble matter in H ₂ O | 0-0.005 (%) | 0.00% |
| Iron(Fe) | 0-0.0005 (%) | 0.00% |
| Phosphate(PO ₄) | 0-0.001 (%) | 0.00% |
| Substances reducing iodine(HCOOH) | 0-0.005 (%) | 0.00% |
| Appearance (S112334) | white powder | White powder |
| X-Ray Diffraction | Conforms to Structure | Conforms to Structure |



ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

A handwritten signature in black ink that reads "John Su".

John Su
QA & QC Manager