

## Certificate of Analysis

Date of Testing: 2023-05-12 14:10:53  
Date of Next Testing: 2027-05-11 14:10:53  
Product Name: **Sodium bicarbonate**  
CAS Number: 144-55-8  
Specifications & Purity: Guaranteed Reagent, ≥99.8%  
Lot #: E2308545  
SKU #: **S112334**  
Analysis: **222790**

Parameter	Limit Values	Result
Assay	99.8-100 (%)	99.90%
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 <sub>3</sub> )	0-0.001 (%)	0.00%
Heavy metal (as Pb)	0-0.0005 (%)	0.00%
Magnesium(Mg)	0-0.002 (%)	0.00%
Sulfate(SO <sub>4</sub> <sup>2-</sup> )	0-0.002 (%)	0.00%
Insoluble matter in H <sub>2</sub> O	0-0.005 (%)	0.00%
Iron(Fe)	0-0.0005 (%)	0.00%
Phosphate(PO <sub>4</sub> )	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

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A handwritten signature in black ink that reads "John Su". The signature is written in a cursive, flowing style.

John Su  
QA & QC Manager