

Certificate of Analysis

Date of Testing: 2022-10-18 15:26:37
Date of Next Testing: 2026-10-17 15:26:37
Product Name: **Sodium bicarbonate**
CAS Number: 144-55-8
Specifications & Purity: Guaranteed Reagent, ≥99.8%
Lot #: J2209237
SKU #: **S112334**
Analysis: **145470**

Parameter	Limit Values	Result
Assay	99.8-100 (%)	99.91%
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

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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