

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-07-27 14:47:25

Date of Next Testing: 2026-07-26 14:47:25

Product Name: **Sodium bicarbonate**

CAS Number: 144-55-8

Specifications & Purity: reagent grade, ≥99.8%

Lot #: G2222816

SKU #: **S112331****Analysis: 118463**

Parameter	Limit Values	Result
Nitrogen by Elemental Analysis	0-0.001 (%)	0.00%
Assay	99.8-100 (%)	99.90%
Insoluble matter in H ₂ O	0-0.01 (%)	0.00%
Sulfate(SO ₄ ²⁻)	0-0.005 (%)	0.00%
Calcium(Ca)	0-0.007 (µg/mg)	0.01 µg/mg
Potassium(K)	0-0.01 (%)	0.01%
Iron(Fe)	0-0.001 (%)	0.00%
Magnesium(Mg)	0-0.003 (%)	0.00%
Silicate(SiO ₃)	0-0.005 (%)	0.00%
Aluminum(Al)	0-0.01 (%)	0.01%
Chloride and Bromide(As Cl ⁻)	0-0.002 (%)	0.00%
Heavy metal (as Pb)	0-0.001 (%)	0.00%
Phosphate(PO ₄)	0-0.002 (%)	0.00%
X-Ray Diffraction	Conforms to Structure	Conforms to Structure

John Su
QA & QC Manager