

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-05-17 16:50:04  
 Date of Next Testing: 2026-05-16 16:50:04  
 Product Name: **Sodium hydrogen carbonate**  
 CAS Number: 144-55-8  
 Specifications & Purity: Ph. Eur., BP, JP, USP, FCC, E 500  
 Lot #: E2315644  
 SKU #: **S432111**  
**Analysis:** **216039**  
 Storage Temperature: Room temperature

Parameter	Limit Values	Result
Purity(Titration by HCl)	99.5-100.5 (%)	100.42 %
PH(5% in water)	7.9-8.4	8.26
Chloride (Cl-)	0-150 (ppm)	0.00 ppm
Sulfate(SO42-)	0-150 (ppm)	0.00 ppm
Heavy metals(as Pb)	0-5 (ppm)	0.00 ppm
Aluminium(Al)	0-1 (ppm)	0.00000 ppm
Arsenic(As)	0-2 (ppm)	0.00000 ppm
Calcium(Ca)	0-100 (ppm)	0.00 ppm
Copper(Cu)	0-5 (ppm)	0.00 ppm
Iron(Fe)	0-20 (ppm)	0.00 ppm
Mercury(Hg)	0-1 (ppm)	0.00 ppm
Ammonium(NH4)	0-20 (ppm)	0.00000 ppm
Lead(Pb)	0-2 (ppm)	0.00 ppm
Loss on drying (on silicagel, 4h)	0-0.25 (%)	0.03000 %
Appearance(S432111)	white powder	White powder
Infrared spectrum	Conforms to Structure	Conforms to Structure
Carbonate(CO3)	Pass	Pass



ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

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

John Su  
QA & QC Manager