

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-03-04 17:27:19  
 Date of Next Testing: 2027-03-04 17:27:19  
 Product Name: **Sodium hydrogen carbonate**  
 CAS Number: 144-55-8  
 Specifications & Purity: Ph. Eur., BP, JP, USP, FCC, E 500  
 Lot #: B2429525  
 SKU #: **S432111**  
**Analysis:** **318565**  
 Storage Temperature: Room temperature

Parameter	Limit Values	Result
PH(5% in water)	7.9-8.4	8.34
Chloride (Cl <sup>-</sup> )	0-150 (ppm)	0.00 ppm
Sulfate(SO <sub>4</sub> <sup>2-</sup> )	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)	2.00 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
Lead(Pb)	0-2 (ppm)	0.00 ppm
Loss on drying (on silicagel, 4h)	0-0.25 (%)	0.08400 %
Ammonium(NH <sub>4</sub> )	0-20 (ppm)	19.61000 ppm
Purity(Titration by HCl)	99.5-100.5 (%)	100.49 %
Appearance(S432111)	white powder	White powder
Infrared spectrum	Conforms to Structure	Conforms to Structure
Carbonate(CO <sub>3</sub> )	Pass	Pass



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

John Su  
QA & QC Manager