

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2026-03-20 11:57:44  
Date of Next Testing: 2030-03-19 11:57:44  
Product Name: **Sodium bicarbonate**  
CAS Number: 144-55-8  
Specifications & Purity: HPLC grade, ≥99.8%  
Lot #: C2618469  
SKU #: **S112337**  
Version: **0**  
Analysis #: **666807**  
Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
UV Absorbance 260nm	0-0.02	0.01000
Absorbance (at 250 nm)	0-0.04	0.01800
UV Absorbance 240nm	0-0.1	0.03400
UV Absorbance 500nm	0-0.01	0.00400
Purity (T)	99.8-100.2 (%)	99.82000%
UV Absorbance 280nm	0-0.01	0.00500
Appearance (S112337)	White powder	White powder
pKa	6.8	6.8
RP gradient test	pass test	pass test
Solubility in H <sub>2</sub> O , Colorless transparent , 0.1 g/mL	pass	Pass
X-Ray Diffraction	Conforms to Structure	Conforms to Structure
λ, 10% in H <sub>2</sub> O	Pass	Pass



John Su  
QA & QC Manager