

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2021-04-17 15:15:02

Date of Next Testing: 2025-04-16 15:15:02

Product Name: **Sodium bicarbonate**

CAS Number: 144-55-8

Specifications & Purity: HPLC grade, $\geq 99.8\%$

Lot #: D2113131

SKU #: **S112337**

Version: **0**

Analysis #: **007372**

Storage Temperature: Argon charged

Parameter	Limit Values	Result
Purity (T)	99.8-100.2 (%)	100.17 %
UV Absorbance 260nm	0-0.02	0.01
Absorbance (at 250 nm)	0-0.04	0.01
UV Absorbance 280nm	0-0.01	0.00
UV Absorbance 240nm	0-0.1	0.03
UV Absorbance 500nm	0-0.01	0.00
Appearance (S112337)	White powder	White powder
pKa	6.8	6.8
RP gradient test	pass test	pass test
Solubility in H ₂ O , Colorless transparent , 0.1 g/mL	pass	Pass
X-Ray Diffraction	Conforms to Structure	Conforms to Structure
λ , 10% in H ₂ O	Pass	Pass



John Su
QA & QC Manager