

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-08-05 17:08:18
 Date of Next Testing: 2027-07-26 17:08:18
 Product Name: **Sodium bicarbonate**
 CAS Number: 144-55-8
 Specifications & Purity: Suitable for molecular biology, $\geq 99.7\%$
 Lot #: G2531630
 SKU #: **S112338**
 Version: **0**
 Analysis #: **530241**
 Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Iron(Fe)	0-0.001 (%)	0.00020 %
Heavy metal (as Pb)	0-5 (ppm)	0.32500 ppm
Potassium(K)	0-0.005 (%)	0.00250 %
Sulfate(SO42-)	0-0.003 (%)	0.00120 %
Purity (T)	99.7-100.2 (%)	99.72000 %
Appearance (S112338)	White powder	White powder
DNase, RNase and Protease	None Detected	none detected
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility in H2O , 100 mg/mL	pass	Pass
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager