

## Certificate of Analysis

Date of Testing: 2023-02-08 16:14:32  
Date of Next Testing: 2025-01-28 16:14:32  
Product Name: **Sodium bicarbonate**  
CAS Number: 144-55-8  
Specifications & Purity: for molecular biology, 99.7-100.3%  
Lot #: D2129205  
SKU #: **S112338**  
Analysis: **184859**

Parameter	Limit Values	Result
Iron(Fe)	0-0.001 (%)	0.00%
Heavy metal (as Pb)	0-5 (ppm)	1.60 ppm
Potassium(K)	0-0.005 (%)	0.00%
Sulfate(SO42-)	0-0.003 (%)	0.00%
Purity (T)	99.8-100.2 (%)	99.90%
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