

## Certificate of Analysis

Date of Testing: 2023-01-05 16:22:30  
 Date of Next Testing: 2027-01-04 16:22:30  
 Product Name: **Sodium bicarbonate**  
 CAS Number: 144-55-8  
 Specifications & Purity: reagent grade, ≥99.8%  
 Lot #: A2303488  
 SKU #: **S112331**  
 Analysis: **174734**

Parameter	Limit Values	Result
Nitrogen by Elemental Analysis	0-0.001 (%)	0.00%
Assay	99.8-100 (%)	99.89%
Insoluble matter in H2O	0-0.01 (%)	0.01%
Sulfate(SO42-)	0-0.005 (%)	0.00%
Calcium(Ca)	0-0.007 (µg/mg)	0.00 µg/mg
Potassium(K)	0-0.01 (%)	0.01%
Iron(Fe)	0-0.001 (%)	0.00%
Magnesium(Mg)	0-0.003 (%)	0.00%
Silicate(SiO3)	0-0.005 (%)	0.00%
Aluminum(Al)	0-0.01 (%)	0.00%
Chloride and Bromide(As Cl-)	0-0.002 (%)	0.00%
Heavy metal (as Pb)	0-0.001 (%)	0.00%
Phospate(PO4)	0-0.002 (%)	0.00%
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



John Su  
 QA & QC Manager