

## Certificate of Analysis

Date of Testing: 2023-09-06 14:28:35  
Date of Next Testing: 2027-09-05 14:28:35  
Product Name: **Sodium bicarbonate**  
CAS Number: 144-55-8  
Specifications & Purity: reagent grade, ≥99.8%  
Lot #: H2318724  
SKU #: **S112331**  
Analysis: **272342**

Parameter	Limit Values	Result
Nitrogen by Elemental Analysis	0-0.001 (%)	0.00%
Assay	99.8-100 (%)	99.89%
Insoluble matter in H <sub>2</sub> O	0-0.01 (%)	0.00%
Sulfate(SO <sub>4</sub> <sup>2-</sup> )	0-0.005 (%)	0.00%
Calcium(Ca)	0-0.007 (µg/mg)	0.00 µg/mg
Potassium(K)	0-0.01 (%)	0.00%
Iron(Fe)	0-0.001 (%)	0.00%
Magnesium(Mg)	0-0.003 (%)	0.00%
Silicate(SiO <sub>3</sub> )	0-0.005 (%)	0.00%
Aluminum(Al)	0-0.01 (%)	0.00%
Chloride and Bromide(As Cl <sup>-</sup> )	0-0.002 (%)	0.00%
Heavy metal (as Pb)	0-0.001 (%)	0.00%
Phosphate(PO <sub>4</sub> )	0-0.002 (%)	0.00%
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager