

## Certificate of Analysis

Date of Testing: 2024-08-16 10:42:39  
Date of Next Testing: 2028-08-15 10:42:39  
Product Name: **Sodium bicarbonate**  
CAS Number: 144-55-8  
Specifications & Purity: reagent grade, ≥99.8%  
Lot #: H2405533  
SKU #: **S112331**  
Version: **2**  
Analysis #: **400139**

Parameter	Limit Values	Result
Nitrogen by Elemental Analysis	0-0.001 (%)	0.00 %
Assay	99.8-100 (%)	99.84 %
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 %
Potassium(K)	0-0.01 (%)	0.00 %
Iron(Fe)	0-0.001 (%)	0.00 %
Magnesium(Mg)	0-0.003 (%)	0.00 %
Heavy metal (as Pb)	0-0.001 (%)	0.00 %
Chloride (Cl <sup>-</sup> )	0-0.002 (%)	0.00 %
Phosphates and silicates(calculated as SiO <sub>2</sub> )	0-0.005 (%)	0.00000 %
Calcium(Ca)	0-0.007 (%)	0.00 %
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager