

## Certificate of Analysis

Date of Testing: 2022-07-28 17:08:33

Date of Next Testing: 2026-07-27 17:08:33

Product Name: **Sodium bicarbonate**

CAS Number: 144-55-8

Specifications &amp; Purity: reagent grade, ≥99.8%

Lot #: G2222825

SKU #: **S112331****Analysis: 118463**

Parameter	Limit Values	Result
Nitrogen by Elemental Analysis	0-0.001 (%)	0.00%
Assay	99.8-100 (%)	99.90%
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)	0.01 µg/mg
Potassium(K)	0-0.01 (%)	0.01%
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 (%)	0.01%
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