

## Certificate of Analysis

Date of Testing: 2024-08-21 10:19:22  
Date of Next Testing: 2028-08-20 10:19:22  
Product Name: **Sodium carbonate anhydrous**  
CAS Number: 497-19-8  
Specifications & Purity:  $\geq 99.8\%$   
Lot #: H2408456  
SKU #: **S111733**  
Version: **1**  
Analysis #: **402016**  
Storage Temperature: Desiccated

Parameter	Limit Values	Result
Loss on drying	0-0.5 (%)	0.29%
Magnesium(Mg)	0-0.0005 (%)	0.00%
Iron(Fe)	0-0.0003 (ppm)	0.00 ppm
Insoluble matter in H <sub>2</sub> O	0-0.005 (%)	0.00%
Heavy metal (as Pb)	0-0.0005 (%)	0.00%
Assay	99.8-100 (%)	100.00%
Nitrogen by Elemental Analysis	0-0.001 (%)	0.00%
Aluminum(Al)	0-0.001 (%)	0.00%
Calcium(Ca)	0-0.005 ( $\mu\text{g}/\text{mg}$ )	0.00 $\mu\text{g}/\text{mg}$
Potassium(K)	0-0.005 (%)	0.00%
Phosphate and Silicate(SiO <sub>3</sub> )	0-0.0025 (%)	0.00%
Sulfate(SO <sub>4</sub> <sup>2-</sup> )	0-0.003 (%)	0.00%
X-Ray Diffraction	Conforms to Structure	Conforms to Structure
Appearance (S111733)	white powder or grain	white powder or grain



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ALADDIN SCIENTIFIC CORPORATION

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A handwritten signature in black ink that reads "John Su".

John Su  
QA & QC Manager