

## Certificate of Analysis

Date of Testing: 2025-07-29 14:50:46  
Date of Next Testing: 2029-07-28 14:50:46  
Product Name: **Sodium carbonate decahydrate**  
CAS Number: 6132-02-1  
Specifications & Purity: AR, ≥99%  
Lot #: G2525544  
SKU #: **S112589**  
Version: **1**  
Analysis #: **548808**

Parameter	Limit Values	Result
Silicate(SiO <sub>3</sub> )	0-0.001 (%)	0.00 %
Potassium(K)	0-0.003 (%)	0.00 %
Aluminum(Al)	0-5 (ppm)	0.13 ppm
Chloride(Cl <sup>-</sup> )	0-0.001 (%)	0.00 %
Sulfate(SO <sub>4</sub> <sup>2-</sup> )	0-0.003 (%)	0.00 %
Purity(Titration by HCl)	98.5-101.5 (%)	100.00 %
Insoluble matter in H <sub>2</sub> O	0-0.005 (%)	0.00 %
Heavy metal (as Pb)	0-0.0002 (%)	0.00 %
Calcium(Ca)	0-0.003 (%)	0.00 %
Magnesium(Mg)	0-3 (ppm)	0.28 ppm
Phosphate(PO <sub>4</sub> )	0-0.0005 (%)	0.00 %
Iron(Fe)	0-0.0002 (%)	0.00 %
Total Nitrogen	0-5 (ppm)	0.04 ppm
Appearance (S112589)	White to Off-White Crystals	White to Off-White Crystals
Clarity of solution	pass	Pass
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



ALADDIN SCIENTIFIC CORPORATION

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

John Su  
QA & QC Manager