

## Certificate of Analysis

Date of Testing: 2025-04-26 15:41:59  
Date of Next Testing: 2028-04-25 15:41:59  
Product Name: **Sodium carbonate**  
CAS Number: 497-19-8  
Specifications & Purity: anhydrous, ACS, ≥99.5%, powder or granules  
Lot #: D2522475  
SKU #: **S432761**  
Version: **1**  
Analysis #: **489683**  
Storage Temperature: Room temperature

Parameter	Limit Values	Result
Loss on Drying(285°C)	0-1 (%)	0.12000 %
Insoluble matter(c=10%,H2O)	0-0.01 (%)	0.00000 %
Iron(Fe)	0-5 (ppm)	0.00 ppm
Heavy Metals (by ICP-OES)	0-5 (ppm)	2.00000 ppm
Calcium(Ca)	0-0.03 (%)	0.00 %
Potassium(K)	0-0.005 (%)	0.00 %
Magnesium(Mg)	0-0.005 (%)	0.00 %
Silica	0-0.005 (%)	0.00000 %
Assay(Titration by HCL)(Dried Basis)	99.5-102.5 (%)	99.91000 %
Chloride Content	0-0.001 (%)	0.00100 %
Phosphate(PO4)	0-0.001 (%)	0.00000 %
Sulfur Compounds	0-0.003 (%)	0.00000 %
Appearance(S432761)	White Powder or Granules	White Powder or Granules
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



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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