

Certificate of Analysis

Date of Testing: 2024-07-11 09:23:43
 Date of Next Testing: 2028-07-10 09:23:43
 Product Name: **Sodium carbonate decahydrate**
 CAS Number: 6132-02-1
 Specifications & Purity: reagent grade, 99%
 Lot #: F2428294
 SKU #: **S112589**
 Version: **1**
 Analysis #: **385562**

Parameter	Limit Values	Result
Silicate(SiO ₃)	0-0.001 (%)	0.00 %
Potassium(K)	0-0.003 (%)	0.00 %
Aluminum(Al)	0-5 (ppm)	1.00 ppm
Chloride(Cl-)	0-0.001 (%)	0.00 %
Sulfate(SO ₄ 2-)	0-0.003 (%)	0.00 %
Purity(Titration by HCl)	98.5-101.5 (%)	99.99 %
Insoluble matter in H ₂ 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)	0.93 ppm
Phosphate(PO ₄)	0-0.0005 (%)	0.00 %
Iron(Fe)	0-0.0002 (%)	0.00 %
Total Nitrogen	0-5 (ppm)	1.00 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

14078 Meridian Parkway, Riverside, CA. 92518

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

John Su
QA & QC Manager