

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2021-11-09 13:55:21

Date of Next Testing: 2025-11-08 13:55:21

Product Name: **Sodium carbonate decahydrate**

CAS Number: 6132-02-1

Specifications & Purity: reagent grade, 99%

Lot #: K2103701

SKU #: **S112589**

Analysis: **048296**

Parameter	Limit Values	Result
Silicate(SiO ₃)	0-0.001 (%)	0.00 %
Total Nitrogen	0-5 (ppm)	2.00 ppm
Potassium(K)	0-0.003 (%)	0.00 %
Aluminum(Al)	0-5 (ppm)	1.98 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 (%)	99.50 %
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)	1.00 ppm
Phosphate(PO ₄)	0-0.0005 (%)	0.00 %
Iron(Fe)	0-0.0002 (%)	0.00 %
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



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

John Su
QA & QC Manager