

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-09-19 11:32:11
 Date of Next Testing: 2028-09-18 11:32:11
 Product Name: **Sodium carbonate**
 CAS Number: 497-19-8
 Specifications & Purity: UltraBio™, anhydrous, ≥99.5%(T)
 Lot #: I2515091
 SKU #: **S755762**
 Version: **1**
 Analysis #: **581069**
 Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Assay(Titration by HCL)(Dried Basis)	99.5-101 (%)	99.55000 %
Loss on drying	0-1 (%)	0.27000 %
Aluminium(Al)	0-5 (ppm)	0.00000 ppm
Barium(Ba)	0-5 (ppm)	0.00000 ppm
Bismuth(Bi)	0-5 (ppm)	0.00000 ppm
Calcium(Ca)	0-50 (ppm)	0.36000 ppm
Cadmium(Cd)	0-5 (ppm)	0.00000 ppm
Cobalt(Co)	0-5 (ppm)	0.00000 ppm
Chromium(Cr)	0-5 (ppm)	0.00000 ppm
Copper(Cu)	0-5 (ppm)	0.00000 ppm
Iron(Fe)	0-5 (ppm)	0.00000 ppm
Potassium(K)	0-50 (ppm)	0.00000 ppm
Lithium(Li)	0-5 (ppm)	0.00000 ppm
Magnesium(Mg)	0-50 (ppm)	0.00000 ppm
Manganese(Mn)	0-5 (ppm)	0.00000 ppm
Molybdenum(Mo)	0-5 (ppm)	0.00000 ppm
Nickel(Ni)	0-5 (ppm)	0.00000 ppm
Lead(Pb)	0-5 (ppm)	0.00000 ppm
Strontium(Sr)	0-5 (ppm)	0.00000 ppm
Zinc(Zn)	0-5 (ppm)	0.00000 ppm
Arsenic traces(MHS-AAS)	0-0.1 (ppm)	0.00000 ppm
Total sulfur as SO4 (ICP)	0-50 (ppm)	0.13000 ppm
Phosphate,Silikate(as SiO(2))	0-50 (ppm)	0.20000 ppm
Chloride (Cl-)	0-50 (ppm)	0.16000 ppm
Total Nitrogen	0-10 (ppm)	2.89000 ppm

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Parameter	Limit Values	Result
UV - ABS. AT 260 nm(1M Water)	0-0.01	0.00600
UV - ABS. AT 280 nm(1M Water)	0-0.01	0.00520
Appearance(S755762)	Colorless or White Powder or Crystals	Colorless or White Powder or Crystals
Solubility(1M water),Clear Colorless	Pass	Pass
pH(in 1M Water at 25°C,~12.0)	Pass	Pass
Residue (filter test)	no residue	no residue

A handwritten signature in black ink that reads "John Su".John Su
QA & QC Manager