

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

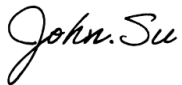
Date of Testing: 2024-01-05 09:25:33  
 Date of Next Testing: 2027-01-04 09:25:33  
 Product Name: **Sodium sulfate**  
 CAS Number: 7757-82-6  
 Specifications & Purity: anhydrous 99.99% SuperPure grade  
 Lot #: A2403249  
 SKU #: **S433913**  
**Analysis:** **304120**  
 Storage Temperature: Room temperature

Parameter	Limit Values	Result
Purity(Based On Trace Metals Analysis)	99.99-100 (%)	100.00 %
Assay(acidimetry)	99.5-102.5 (%)	99.77000 %
Chloride (Cl-)	0-5 (ppm)	0.00 ppm
Aluminum(Al)	0-0.05 (ppm)	0.00 ppm
Barium(Ba)	0-5 (ppm)	0.00 ppm
Bismuth(Bi)	0-0.005 (ppm)	0.00 ppm
Calcium(Ca)	0-0.1 (ppm)	0.00 ppm
Cadmium(Cd)	0-0.005 (ppm)	0.00 ppm
total nitrogen(N)	0-5 (ppm)	0.00000 ppm
Cerium(Ce)	0-0.005 (ppm)	0.00 ppm
Cobalt(Co)	0-0.005 (ppm)	0.00 ppm
Chromium(Cr)	0-0.01 (ppm)	0.00 ppm
Cesium (Cs)	0-5 (ppm)	0.00 ppm
Europium(Eu)	0-0.005 (ppm)	0.00 ppm
Iron(Fe)	0-0.05 (ppm)	0.00 ppm
Lanthanum(La)	0-0.005 (ppm)	0.00 ppm
Lithium(Li)	0-0.1 (ppm)	0.00 ppm
Magnesium(Mg)	0-0.05 (ppm)	0.00 ppm
Manganese(Mn)	0-0.01 (ppm)	0.00 ppm
Nickel(Ni)	0-0.005 (ppm)	0.00 ppm
Lead(Pb)	0-0.1 (ppm)	0.00 ppm
Rubidium(Rb)	0-1 (ppm)	0.01000 ppm
Scandium(Sc)	0-0.005 (ppm)	0.00000 ppm
Samarium(Sm)	0-0.005 (ppm)	0.00 ppm
Thallium(Tl)	0-0.005 (ppm)	0.00000 ppm
Yttrium(Y)	0-0.005 (ppm)	0.00 ppm

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Parameter	Limit Values	Result
Ytterbium(Yb)	0-0.005 (ppm)	0.00000 ppm
Zinc(Zn)	0-0.02 (ppm)	0.00 ppm
Copper(Cu)	0-0.005 (ppm)	0.00 ppm
Potassium(K)	0-5 (ppm)	0.00 ppm
Appearance(S433913)	white powder and/or chunks	white powder and/or chunks
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager