

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing:	2024-11-13 11:47:57
Date of Next Testing:	2027-11-13 11:47:57
Product Name:	<b>Aladdin™ EDC</b>
CAS Number:	25952-53-8
Specifications & Purity:	Standard
Lot #:	K2407241
SKU #	<b>A638729</b>
Version	<b>1</b>
<b>Analysis #:</b>	<b>403211</b>
Storage Temperature:	Store at -20°C, Desiccated

Parameter	Limit Values	Result
Melting point	110-115 (°C)	112.48000 °C
Purity (Argentometric Titration)	98-100 (%)	98.85 %
Water by Karl Fischer	0-1 (%)	0.94 %
Residue on ignition(Ash)	0-0.1 (%)	0.00000 %
Ammonia (NH <sub>4</sub> )	0-0.05 (%)	0.00 %
Insoluble matter	0-0.1 (%)	0.00000 %
Sulfate(SO <sub>4</sub> <sup>2-</sup> )	0-0.05 (%)	0.01 %
Aluminum(Al)	0-0.0005 (%)	0.00 %
Phosphorus (P)	0-0.005 (%)	0.00 %
Lead(Pb)	0-0.001 (%)	0.00 %
Iron(Fe)	0-0.0005 (%)	0.00 %
Copper(Cu)	0-0.0005 (%)	0.00 %
Zinc(Zn)	0-0.0005 (%)	0.00 %
Calcium(Ca)	0-0.0005 (%)	0.00 %
Magnesium(Mg)	0-0.0005 (%)	0.00 %
Sodium(Na)	0-0.005 (%)	0.00 %
Potassium(K)	0-0.005 (%)	0.00 %
Appearance(A638729)	White to Off-White Powder or Crystals	White to Off-White Powder or Crystals
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in H <sub>2</sub> O, Colorless to Very Faint Yellow, Clear, 100 mg/mL	Pass	Pass



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A handwritten signature in black ink that reads "John Su". The signature is written in a cursive, flowing style.

John Su  
QA & QC Manager