

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-07-19 09:55:15

Date of Next Testing: 2028-07-18 09:55:15

Product Name: **DL-Ethionine**

CAS Number: 67-21-0

Specifications & Purity: $\geq 98\%$

Lot #: G2415127

SKU #: **E117217**

Version: **4**

Analysis #: **379588**

Storage Temperature: Protected from light, Store at -20°C , Desiccated

Parameter	Limit Values	Result
Specific Rotation $[\alpha]_{20/D}(C=1\text{ in }1\text{M HCl})$	$-1 \sim 1$ ($^{\circ}$)	0.10000 $^{\circ}$
Purity (Nonaqueous Titration)	98-102.5 (%)	100.20000 %
Appearance (E117217)	White to Off-White to Very pale yellow crystal or Powder	White to Off-White to Very pale yellow crystal or Powder
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in 1 M HCl, Colorless to yellow, clear to slightly hazy, 50mg/ml	pass	Pass



John Su
QA & QC Manager