

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-02-28 15:41:42  
Date of Next Testing: 2027-02-27 15:41:42  
Product Name: **L-Cystine bis(ethyl ester) dihydrochloride**  
CAS Number: 22735-07-5  
Specifications & Purity: 97%  
Lot #: B2427525  
SKU #: **L355051**  
**Analysis:** **319854**  
Storage Temperature: Store at -20°C, Argon charged

Parameter	Limit Values	Result
Purity(HPLC area)	97-100 (%)	99.65 %
Specific Rotation [α] <sub>20</sub> /D(c=1 in H <sub>2</sub> O)	-49~-43 (°)	-48.34 °
Purity(Titration by AgNO <sub>3</sub> )	96.5-103.5 (%)	103.36 %
Appearance(L355051)	White to Off-white solid	White to off-white solid
LC-MS for identification	Conforms	Conforms
NMR Spectrum 1H	Conforms to structure	Conforms to Structure



John Su  
QA & QC Manager