

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-12-25 15:55:21

Date of Next Testing: 2027-12-24 15:55:21

Product Name: **D-Cystine**

CAS Number: 349-46-2

Specifications & Purity: $\geq 98\%$

Lot #: L2314059

SKU #: **C103190**

Version: **0**

Analysis #: **092147**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Purity(Neutralization titration)	98-102 (%)	100.00000 %
Sulfate Ash	0-0.1 (%)	0.05000 %
Purity(HPLC)	98-100 (%)	99.67900 %
Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in } 1N \text{ HCl})$	205-225 (°)	205.14000 °
Appearance (C103190)	white powder	White powder
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility in HCl , Colorless and transparent solution (1%)	Pass	Pass



John Su
QA & QC Manager