

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-07-20 09:47:41

Date of Next Testing: 2026-07-19 09:47:41

Product Name: **D-Cystine**

CAS Number: 349-46-2

Specifications & Purity: $\geq 98\%$

Lot #: J1421008

SKU #: **C103190**

Version: **0**

Analysis #: **115060**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in } 1N \text{ HCl})$	205-225 (°)	214.92000 °
Purity(Neutralization titration)	98-102 (%)	98.52600 %
Sulfate Ash	0-0.1 (%)	0.07020 %
Purity(HPLC)	98-100 (%)	98.30600 %
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