

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-06-30 14:50:06

Date of Next Testing: 2027-06-29 14:50:06

Product Name: **DL-Cystine**

CAS Number: 923-32-0

Specifications & Purity: $\geq 98\%$

Lot #: F23251175

SKU #: **C100539**Version: **0**Analysis #: **222472**

Parameter	Limit Values	Result
Carbon by Elemental Analysis	29.3-30.6 (%)	30.20%
Nitrogen by Elemental Analysis	11.3-11.9 (%)	11.50%
Purity(HPLC)	98-100 (%)	98.73300%
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in 1 M HCl , Colorless to Light Yellow, Clear to Hazy 50mg/ml	pass	Pass

John Su
QA & QC Manager