

Certificate of Analysis

Date of Testing: 2023-03-31 18:45:29

Date of Next Testing: 2027-03-30 18:45:29

Product Name: **DL-Cystine**

CAS Number: 923-32-0

Specifications & Purity: 98%

Lot #: C2320602

SKU # **C100539**

Analysis: 041276

Parameter	Limit Values	Result
Carbon by Elemental Analysis	29.3-30.6 (%)	29.50%
Nitrogen by Elemental Analysis	11.3-11.9 (%)	11.40%
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