

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-11-19 09:19:39

Date of Next Testing: 2026-11-18 09:19:39

Product Name: **DL-Cysteine**

CAS Number: 3374-22-9

Specifications & Purity: $\geq 97\%$

Lot #: K2216362

SKU #: **C110437**

Version: **0**

Analysis #: **144514**

Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Purity(HPLC)	97-100 (%)	97.65300 %
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in 1 N HCl, 25 mg/mL	Colorless to Faint Yellow, Clear	Colorless to Faint Yellow, Clear
Infrared spectrum	Conforms to Structure	Conforms to Structure
Appearance (C110437)	White or light yellow powder or crystal	White or light yellow powder or crystal

A handwritten signature in black ink that reads "John Su".

John Su
QA & QC Manager