

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-03-27 10:17:20  
Date of Next Testing: 2026-03-27 10:17:20  
Product Name: **S-Allyl-L-cysteine**  
CAS Number: 21593-77-1  
Specifications & Purity:  $\geq 98.0\%$ (T)  
Lot #: F2209280  
SKU #: **I137523**  
**Analysis:** **330182**  
Storage Temperature: Store at  $-20^{\circ}\text{C}$ , Argon charged

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	99.13100 %
Optical purity(HPLC)(ee)	99-100 (%)	99.99 %
Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in H}_2\text{O})$	-19--9 ( $^{\circ}$ )	-9.41 $^{\circ}$
Purity(Neutralization titration)	98-100 (%)	99.00 %
Appearance (I137523)	White to Off-White Powder or Solid or Chunks	White to Off-White Powder or Solid or Chunks
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager