

## Certificate of Analysis

Date of Testing: 2023-12-14 14:54:37  
Date of Next Testing: 2026-12-13 14:54:37  
Product Name: **D-Cysteine**  
CAS Number: 921-01-7  
Specifications & Purity: 98%  
Lot #: L2311109  
SKU #: **D304972**  
Version: **1**  
Analysis #: **291607**  
Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Specific rotation $[\alpha]_{20/D}$ (c=5% in 5 M HCl)	-8.6--5.6 (°)	-6.27800 °
Assay(Titration by Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> )	97.5-102.5 (%)	102.24 %
Appearance (D304972)	White to off-white Crystalline powder or solid	White to off-white Crystalline powder or solid
Proton NMR spectrum	Conforms to structure	Conforms to Structure



John Su  
QA & QC Manager