

## Certificate of Analysis

Date of Testing: 2022-12-12 13:10:38  
Date of Next Testing: 2026-12-11 13:10:38  
Product Name: **N-Acetyl-L-Cysteine**  
CAS Number: 616-91-1  
Specifications & Purity: 99%  
Lot #: L2207095  
SKU #: **A105420**  
**Analysis: 148047**  
Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Purity(HPLC)	99-100 (%)	99.82900%
Specific Rotation [α] <sub>20</sub> /D(c=2 in H <sub>2</sub> O)	5-6 (°)	5.10°
Melting point	108-113 (°C)	112.89000 °C
Appearance (A105420)	White to Off-White Solid, Powder, or Crystals	White to Off-White Solid, Powder, or Crystals
Solubility in H <sub>2</sub> O, Colorless, Clear, 100 mg/mL, H <sub>2</sub> O	pass	Pass
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager