

## Certificate of Analysis

Date of Testing: 2024-06-29 14:51:11  
Date of Next Testing: 2028-06-28 14:51:11  
Product Name: **N-Acetyl-L-Cysteine**  
CAS Number: 616-91-1  
Specifications & Purity: 99%  
Lot #: F2421092  
SKU #: **A105420**  
Version: **2**  
Analysis #: **364611**  
Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Melting point	108-113 (°C)	112.99000 °C
Purity(HPLC)	99-100 (%)	99.46300 %
Specific Rotation [α] <sub>20</sub> /D(c=2 in H <sub>2</sub> O)	5-6 (°)	5.10°
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