

Certificate of Analysis

Date of Testing: 2025-08-05 16:22:04

Date of Next Testing: 2029-08-04 16:22:04

Product Name: **N-Acetyl-L-Cysteine**

CAS Number: 616-91-1

Specifications & Purity: Moligand™, ≥99%

Lot #: H2504657

SKU #: **A105420**

Version: **3**

Analysis #: **541537**

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

Parameter	Limit Values	Result
Melting point	108-113 (°C)	111.66000 °C
Purity(HPLC)	99-100 (%)	99.57200 %
Specific Rotation [α] ₂₀ /D(c=2.5g/50ml in(2ml 1%EDTA-2Na+15ml 4%NaOH,PH=7 buffer volume to 50ml))	21.3-27 (°)	22.28100 °
Appearance (A105420)	White to Off-White Solid, Powder, or Crystals	White to Off-White Solid, Powder, or Crystals
Solubility in H ₂ O , Colorless, Clear, 100 mg/mL, H ₂ O	pass	Pass
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager