

Certificate of Analysis

Date of Testing: 2025-08-05 15:39:50
Date of Next Testing: 2029-08-04 15:39:50
Product Name: **N-Acetyl-L-Cysteine**
CAS Number: 616-91-1
Specifications & Purity: Moligand™, ≥99%
Lot #: H2504661
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