

## Certificate of Analysis

Date of Testing: 2024-11-08 10:01:53  
 Date of Next Testing: 2028-11-07 10:01:53  
 Product Name: **N-Acetyl-L-Cysteine**  
 CAS Number: 616-91-1  
 Specifications & Purity: Moligand™, ≥99%  
 Lot #: K2405271  
 SKU #: **A105420**  
 Version: **3**  
 Analysis #: **404400**  
 Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Melting point	108-113 (°C)	112.88000 °C
Purity(HPLC)	99-100 (%)	100.00000 %
Specific Rotation [α] <sub>20</sub> /D(c=2.5g/50ml in(2ml 1%EDTA-2Na+15ml 4%NaOH,PH=7 buffer volume to 50ml))	21.3-27 (°)	23.14100 °
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