

Certificate of Analysis

Date of Testing: 2024-11-08 09:59:44

Date of Next Testing: 2028-11-07 09:59:44

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

CAS Number: 616-91-1

Specifications & Purity: Moligand™, ≥99%

Lot #: K2405272

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] ₂₀ /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 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