

Certificate of Analysis

Date of Testing: 2024-07-03 14:06:03
Date of Next Testing: 2028-07-02 14:06:03
Product Name: **N-Acetyl-L-Cysteine**
CAS Number: 616-91-1
Specifications & Purity: for cell culture, ≥99.0%
Lot #: F2425080
SKU #: **A105422**
Version: **2**
Analysis #: **366800**
Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Water by Karl Fischer	0-0.3 (%)	0.01%
Melting point	106-113 (°C)	107.30000 °C
Specific Rotation [α] ₂₀ /D(c=2 in H ₂ O)	4.5-6.5 (°)	4.51°
Purity(Titration by Iodine)	98.5-102.5 (%)	102.45%
Appearance (A105422)	White to Off-White Crystals or powder or crystalline powder	White to Off-White Crystals or powder or crystalline powder
Cell Culture Test	pass	Pass
Solubility in H ₂ O , clear , colorless , 100 mg plus 1 ml of water	pass	Pass
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager