

Certificate of Analysis

Date of Testing: 2023-07-08 14:35:17
Date of Next Testing: 2027-07-07 14:35:17
Product Name: **N-Acetyl-L-Cysteine**
CAS Number: 616-91-1
Specifications & Purity: for cell culture, ≥99.0%
Lot #: G2303619
SKU #: **A105422**
Analysis: **065000**
Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Water by Karl Fischer	0-0.3 (%)	0.15 %
Melting point	106-113(°C)	112.89000 °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 (%)	100.95 %
Cell Culture Test	pass	Pass
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility in H ₂ O , clear , colorless , 100 mg plus 1 ml of water	pass	Pass
Appearance (A105422)	White to Off-White Crystals or powder or crystalline powder	White to Off-White Crystals or powder or crystalline powder



John Su
QA & QC Manager