

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-12-29 14:35:18  
Date of Next Testing: 2029-12-28 14:35:18  
Product Name: **N-Acetyl-L-Cysteine ( NAC)**  
CAS Number: 616-91-1  
Specifications & Purity: Moligand™, for cell culture, ≥99%  
Lot #: L2524155  
SKU #: **A105422**  
Version: **3**  
Analysis #: **565708**  
Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Melting point	106-113 (°C)	106.90450 °C
Specific Rotation [α] <sub>20</sub> /D(c=2 in H <sub>2</sub> O)	4.5-6.5 (°)	5.20000 °
Purity(Titration by Iodine)	98.5-102.5 (%)	99.78000 %
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
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility in H <sub>2</sub> O , clear , colorless , 100 mg plus 1 ml of water	pass	Pass



John Su  
QA & QC Manager