

Shanghai yuanye Bio-Technology Co., Ltd

465 Changta Road, SongJiang District, Shanghai 201604, China

Certificate of Analysis

Date of Testing: 2025-04-27 15:04:39

Date of Next Testing: 2029-04-26 15:04:39

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

CAS Number: 616-91-1

Specifications & Purity: for cell culture, $\geq 99\%$

Lot #: D2522052

SKU #: **V33850**

Version: **0**

Analysis #: **504430**

Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Melting point	106-113 (°C)	107.81000 °C
Specific Rotation $[\alpha]_{20/D}(c=2 \text{ in H}_2\text{O})$	4.5-6.5 (°)	4.92 °
Purity(Titration by Iodine)	98.5-102.5 (%)	101.25 %
Cell Culture Test	pass	Pass
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility in	pass	Pass
H ₂ O , clear , colorless , 100 mg plus 1 ml of water		
Appearance(V33850)	White to Off-White Crystals or powder or crystalline powder	White to Off-White Crystals or powder or crystalline powder

Quality Assurance : Xiaoyong Tan

Quality Control : Yunfei Zhu

