



CERTIFICATE OF ANALYSIS

Product Name: N-Acetyl-L-Cysteine Standard: AJI92
Batch Number: 20230606 Batch Quantity: 1000KG
Manufacture Date: 2023-06-06 Retest Date: 2025-06-05

ITEMS	SPECIFICATION	RESULTS
Appearance	White crystalline or crystalline powder	Conforms
Assay	98.50%-101.0%	99.7%
pH	2.0~2.8	2.2
Melting Point	106~110°	107°
Specific optical rotation $[\alpha]_D^{20}$	+21.3°~ +27°	+24.5°
Loss on drying	0.5% Max	0.21%
Residue on Ignition	0.2% Max	0.12%
Chloride(Cl)	0.04% Max	Conforms
Ammonium (NH ₄)	0.02% Max	Conforms
Sulfate(SO ₄)	0.03% Max	Conforms
Iron (Fe)	0.002% Max	Conforms
Arsenic (As ₂ O ₃)	0.0001% Max	Conforms
Heavy Metals (Pb)	0.001% Max	Conforms
Total plate count	1000cfu/g Max	Conforms
Molds and Yeast	100cfu/g Max	Conforms
E.coli	Negative	Negative
Salmonella	Negative	Negative
Conclusion	This product conforms to requirement of AJI92 grade standard.	
Storage	Store in cool & dry place, keep away from strong light and heat.	

Shawn
Analyst

Rick
Approved

Whip
Header of QC