



Certificate of Analysis

Product name	N-Acetyl-L-Cysteine	Product No.:	NALC0104
Package:	25kg/drum	Quantity:	1000kgs
MFG Date:	2025/06/24	EXP Date:	2027/06/23
Batch No.:	NALC2025062401	Test Method:	AJI92

Item	Specification	Results
Appearance	White crystal or crystalline powder	Conform
Identification	Consistent with the control profile	Conform
Assay (On the dry basis)	98.5%-101%	99.7%
State of solution (Transmittance)	≥98%	99.8%
Specific rotation $[\alpha]_D^{20^\circ}$	+21.3 - +27.0°	+25.57
Chloride(as Cl)	≤0.04%	<0.04%
Ammonium (as NH ₄)	≤0.02%	<0.02%
Sulfate (as SO ₄)	≤0.030%	<0.030%
Iron(as Fe)	≤0.002%	<0.002%
Heavy metals(as Pb)	≤0.001%	<0.001%
Arsenic(as AS ₂ O ₃)	≤0.0001%	<0.0001%
Other amino acids	Chromatographically not detectable	Conform
Loss on drying	≤0.5%	<0.03%
Residue on ignition	≤0.20%	<0.07%
pH value	2.0-2.8	2.21
Melting Point	106-110	107-109
Conclusion:	The goods conform the standards of AJI92.	