

Certificate of Analysis

Product Name	N-Acetyl-DL-Leucine	Batch Number	GW20250308A
Quantity	1200kg	Package	25kg/drum
Manufacture Date	2025-03-08	Expiry Date	2027-03-07

Test Item	Standard	Result
Appearance	White crystals or crystalline powder	Qualified
Specific rotation $[\alpha]_{D20}^{\circ}$	-1.0~+1.0	Qualified
State of solution	$\geq 95.0\%$	98.0%
Chloride(Cl)	$\leq 0.02\%$	Qualified
Ammonium(NH ₄)	$\leq 0.02\%$	Qualified
Sulfate(SO ₄)	$\leq 0.02\%$	Qualified
Iron(Fe)	$\leq 10\text{PPm}$	Qualified
Heavy metals(Pb)	$\leq 20\text{PPm}$	Qualified
Arsenic(As ₂ O ₃)	$\leq 2\text{PPm}$	Qualified
Other amino acids	Chromatographically not detectable	Qualified
Loss on drying	$\leq 0.5\%$	0.35%
Residue on ignition	$\leq 0.30\%$	0.2%
Assay	97.5~102.5%	99.2%
PH	1.7-3.0	2.3