

CERTIFICATE OF ANALYSIS

Product Name	L-Leucine powder	Batch Number	010047230610
CAS Number	61-90-5	Manufacture Date	Jun 10, 2023
Molecular formula	C ₆ H ₁₃ NO ₂	Best Used Before	Jun 09, 2025

Items	Specifications	Results
Appearance	White crystals or crystalline powder	Conforms
Identification	Infrared Absorption	Conforms
Specific rotation [α] _D ²⁵	+14.9° to +17.3°	+15.6°
pH	5.5 to 7.0	5.8
Loss on drying	≤0.2%	0.10%
Residue on ignition	≤0.40%	0.07%
Chloride(Cl)	≤0.05%	<0.05%
Sulfate(SO ₄)	≤0.03%	<0.03%
Iron(Fe)	≤0.003%	≤0.003%
Heavy metals	≤0.0015%	Conforms
Organic volatile impurities	Meet the requirements	Meet the requirements
Assay	98.5% to 101.5%	99.1%
Total Plate Count	≤1,000cfu/g	Conforms
Yeast and Mould	≤100cfu/g	Conforms
E.Coli	Negative/10g	Negative
Salmonella	Negative/25g	Negative

Conclusion: Qualified.

Net weight: 25.0kgs/Drum

Gross weight: 27.5kgs±0.5kg/Drum

24 months under 30°C in a well-closed container and away from moisture, light, oxygen.

Packed in paper drum or carton with two plastic bags inside.
