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Product Specifications

Catalogue Number	31938
Product	L-Lysine acetate salt
CAS Number	57282-49-2
Molecular Formula	C ₆ H ₁₄ N ₂ O ₂ •C ₂ H ₄ O ₂
Molecular Weight	206.24

Appearance	White crystalline powder
Heavy Metals	≤ 15 ppm
Anion	Chloride (Cl ⁻): ≤ 0.05% Sulfate (SO ₄ ²⁻): ≤ 0.03%
Cation	Iron (Fe): ≤ 30 ppm
Optical Rotation	[α] _D ²⁰ = +8.9° to +9.9° (C=10 in H ₂ O)
Infrared Spectrum	Conforms to reference standard
Loss on Drying	≤ 0.2%
Related Substances	Individual impurity: ≤ 0.5% Total impurity: ≤ 2.0%
Residue On Ignition	≤ 0.4%
Assay	98.0-102.0% (Dried basis)
Grade	USP, Non-animal origin
Storage	Store at 0-8 °C

For Laboratory Use Only