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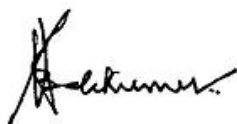
Wood Dale, IL 60191

Certificate of Analysis

Catalogue Number	08898
Lot Number	000424-160304-13044
Product	L-Lysine ethyl ester dihydrochloride L-Lys-OEt·2HCl
CAS Number	3844-53-9
Molecular Formula	C ₈ H ₁₈ N ₂ O ₂ ·2HCl
Molecular Weight	247.17

Appearance	White powder
Solubility	Clear solution (0.3 g in 2mL H ₂ O)
Melting Point	147.8-150.4 °C
Water Content (Karl Fisher)	0.132%
Optical Rotation	[α] _D ²⁰ = +11.2 ° (C=2 in H ₂ O)
Infrared Spectrum	Conforms to structure
Analysis by Mass Spectra	Conforms to standard
Loss on Drying	0.79% (70 °C, 2h)
¹H NMR	Conforms to structure
Assay	99.912%
Purity by HPLC	99.30%
Storage	Store at 0-8 °C
Remarks	See material safety data sheet for additional information For laboratory use only

The foregoing is a copy of the Certificate of Analysis as provided by our supplier



Bala Kumar
Quality Control Manager