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Certificate of Analysis

Catalogue Number 04-2030
Lot Number 130524-13044
Product **L-Lysine ethyl ester dihydrochloride**

L-Lys-OEt•2HCl

CAS Number 3844-53-9
Molecular Formula $C_8H_{18}N_2O_2 \cdot 2HCl$

Molecular Weight 247.17

Appearance White powder
Solubility Clear solution (0.3 g in 2 mL H₂O)
Melting Point 147.4-153.5 °C
Water Content (Karl Fisher) 0.768%
Optical Rotation $[\alpha]_D^{20} = +10.35^\circ$ (C=2 in H₂O)
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
Purity by HPLC 98.41%
Storage Store at 0-8°C