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Certificate of Analysis

Catalogue Number	06084
Lot Number	000127-1000049635
Product	L-Histidine ethyl ester dihydrochloride L-His-OEt•2HCl
CAS Number	35166-54-2
Molecular Formula	C ₈ H ₁₃ N ₃ O ₂ •2HCl
Molecular Weight	256.18

Appearance	Light beige powder, Very Hygroscopic!
Solubility	Clear, colorless solution (50 mg/mL in EtOH abs.)
TLC System	n-butanol/ acetic acid/ water: 4/2/2 Chloroform/ methanol/ acetic acid 32%: 5/3/1 Ethylacetate/ pyridine/ acetic acid/ water: 6/5/1/3 Plate: silicagel 60 F ₂₅₄ Detected by: UV, ninhydrin, chlorine-tolidine
Optical Rotation	[α] _D ²⁴ = 16.5 ° (C=1 in EtOH abs.)
Residual Solvents	4% (Ethanol) 3.7% (Toluene)
Titration	Chloride content : 23.2% (AgNO ₃)
Assay	86% (Nfd: 14.13% by elemental analysis) calc. as x 2 HCl (28.47%)
Purity by TLC	> 99%
Storage	Store at ≤-4°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