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Certificate of Analysis

Catalogue Number	09444
Lot Number	000127-1000018995
Product	Lvsinoalanine•2HCl (diastereomeric mixture: H-Lys(DL-2-amino-2-carboxyethyl)-OH•2HCl
CAS Number	4418-81-9
Molecular Formula	C ₉ H ₁₉ N ₃ O ₄ •2HCl
Molecular Weight	306.19

Appearance	White powder
Solubility	Clear, colorless solution (50 mg/mL in water)
Water Content (Karl Fisher)	2.2%
TLC System	Isopropanol/Ammonia conc. (1:1) Methanol/Chloroform/Ammonia 17% (2:2:1) Plate : silicagel 60 F ₂₅₄ Detected by : UV, ninhydrin, TMB
Optical Rotation	[α] ₃₆₅ ²⁴ = 32.2 ° (C=2 in HCl 1M)
Titration	Chloride content : 20.9% (AgNO ₃)
Assay	99.2% (Nfd 13.60% by Elemental analysis)
Purity by TLC	> 99%
ESI-MS	M = 233.1u (Monoisotopic mass)
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