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Certificate of Analysis

Catalogue Number	05836
Lot Number	000424-210420-11845
Product	L-Alanine 4-nitroanilide hydrochloride L-Ala-pNA•HCl
CAS Number	31796-55-1
Molecular Formula	C ₉ H ₁₁ N ₃ O ₃ •HCl
Molecular Weight	245.7

Appearance	Light yellowish powder
Solubility	Clear solution (0.3 g in 2 mL DMF)
Melting Point	177.1 - 225.7 °C
Water Content (Karl Fisher)	2.98%
Optical Rotation	[α] _D ²⁰ = 16.6 ° (C=1 in DMF)
Infrared Spectrum	Conforms to structure
Analysis by Mass Spectra	Conforms to standard
Loss on Drying	1.56% (90 °C, 2h)
¹H NMR	Conforms to structure
Purity by HPLC	99.81%
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