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Certificate of Analysis

Catalogue Number	03166
Product	L-Valine amide hydrochloride
Lot Number	000424-130705-16090 L-Val-NH ₂ •HCl
CAS Number	3014-80-0
Molecular Formula	C ₅ H ₁₂ N ₂ O•HCl
Molecular Weight	152.6

Appearance	White powder
Solubility	Clear solution (0.3 g in 2 mL H ₂ O)
Melting Point	260.1-260.9 °C
Water Content (Karl Fisher)	0.188%
Optical Rotation	[α] _D ²⁰ = +26.4° (C=1, H ₂ O)
Infrared Spectrum	Conforms to structure
Analysis by Mass Spectra	Conforms to standard
Loss on Drying	0.28% (90 °C, 2h)
¹H NMR	Conforms to structure
Purity by HPLC	99.52%
Storage	Store at 0-8 °C

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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