

Chem-Impex International, Inc.

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Certificate of Analysis

Catalogue Number	01362
Lot Number	000424-160315-31011
Product	Boc-D-leucine hydrate Boc-D-Leu-OH•H ₂ O
CAS Number	16937-99-8 (net)
Molecular Formula	C ₁₁ H ₂₁ NO ₄ •H ₂ O
Molecular Weight	249.31

Appearance	White powder
Solubility	Clear solution (0.3 g in 2 mL DMF)
Melting Point	82.6 - 89.6 °C
Water Content (Karl Fisher)	7.637%
Optical Rotation	[α] _D ²⁰ = 25.8 ° (C=2% in AcOH) [α] _D ²⁰ = 19.2 ° (C=1% in MeOH)
Infrared Spectrum	Conforms to structure
Analysis by Mass Spectra	Conforms to standard
¹H NMR	Conforms to structure
Chiral HPLC	100% (ee)
L-Enantiomer	Not detectable
Purity by HPLC	99.50%
Purity by TLC	> 98%
Storage	Store at 0 - 8 °C
Country of Origin	China

Certificate of Analysis

Catalog Number: 01362

Lot Number: 000424-160315-31011

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

A handwritten signature in black ink, appearing to read 'Bala Kumar', with a stylized flourish at the end.

Bala Kumar
Quality Control Manager