

Chem-Impex International, Inc.

Tel: (630) 766-2112

E-mail: sales@chemimpex.com

Shipping and Correspondence:

935 Dillon Drive

Wood Dale, IL 60191

Fax: (630) 766-2218

Web site: www.chemimpex.com

Manufacturing site:

825 Dillon Drive

Wood Dale, IL 60191

Certificate of Analysis

Catalogue Number	07137
Product	Acetyl-L-norleucine

Lot Number	000424-170510-37013 Ac-L-Nle-OH
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CAS Number	15891-49-3
Molecular Formula	C ₈ H ₁₅ NO ₃

Molecular Weight	173.22
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Appearance	White to off-white powder
Solubility	Clear solution (0.3g in 2ml DMF)
Melting Point	112.8 - 113.7 °C
Water Content (Karl Fisher)	0.166%
Optical Rotation	[α] _D ²⁰ = -8.5° (C=1 in DMF)
Infrared Spectrum	Conforms to structure
Analysis by Mass Spectra	Conforms to standard
Loss on Drying	0.47% (50 °C, 2h)
¹H NMR	Conforms to structure
Chiral HPLC	99.98% (ee)
D-Enantiomer	0.0230%
Purity by HPLC	99.29%
Storage	Store at 0-8°C

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Lot Number: 000424-170510-37013

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