

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	03089
Product	L-Leucine benzyl ester 4-toluenesulfonate salt
Lot Number	000424-170630-11838 L-Leu-OBzl•TosOH
CAS Number	1738-77-8
Molecular Formula	C ₁₃ H ₁₉ NO ₂ •C ₇ H ₈ O ₃ S
Molecular Weight	393.5

Appearance	White powder
Clarity & Color	Clear solution (0.3 g in 2mL DMF)
Melting Point	157.3-157.5 °C
Water Content (Karl Fisher)	0.16%
Optical Rotation	[α] ²⁰ _D = +5.0° (C=2 in DMF)
Infrared Spectrum	Conforms to structure
Analysis by Mass Spectra	Conforms to standard
Loss on Drying	0.38% (70 °C, 2h)
¹H NMR	Conforms to structure
Purity by HPLC	98.52%
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