

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	02167
Product	Z-L-glutamic acid α-<i>tert</i>-butyl ester
Lot Number	000424-131015-11511 Z-L-Glu-OtBu
CAS Number	5891-45-2
Molecular Formula	C ₁₇ H ₂₃ NO ₆
Molecular Weight	337.4

Appearance	White powder
Solubility	Clear solution (0.3 gram in 2 ml MeOH)
Melting Point	80.4-81.0 °C
Water Content (Karl Fisher)	0.222%
Optical Rotation	[α] _D ²⁰ = -26.0° (C=1 in MeOH)
Infrared Spectrum	Conforms to structure
Analysis by Mass Spectra	Conforms to structure
Loss on Drying	0.26% (35 °C, 2 hour)
¹H NMR	Conforms to structure
Purity by HPLC	99.28%
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