

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	05968
Lot Number	000424-161120-16072
Product	D-Glutamic acid α-benzyl ester hydrochloride D-Glu-OBzl•HCl
CAS Number	79338-14-0 (net.)
Molecular Formula	C ₁₂ H ₁₅ NO ₄ •HCl
Molecular Weight	273.8

Appearance	White powder
Solubility	Clear solution (0.3 g in 2 mL Methanol)
Melting Point	123.6-124.0 °C
Water Content (Karl Fisher)	0.064%
Optical Rotation	[α] _D ²⁰ = -10.5° (C=2 in H ₂ O)
Infrared Spectrum	Conforms to structure
Analysis by Mass Spectra	Conforms to standard
Loss on Drying	0.29% (60 °C, 2h)
¹H NMR	Conforms to structure
Purity by HPLC	99.50%
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