

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

Product Specifications

Catalogue Number	02164
Product	Z-D-glutamic acid

Z-D-Glu-OH

CAS Number	63648-73-7
-------------------	------------

Molecular Formula	C ₁₃ H ₁₅ NO ₆
--------------------------	---

Molecular Weight	281.26
-------------------------	--------

Appearance	White powder
-------------------	--------------

Solubility	Clear solution (0.3 g in 2 mL EtOH)
-------------------	-------------------------------------

Melting Point	117 - 120 °C
----------------------	--------------

Water Content (Karl Fisher)	≤ 1.0%
------------------------------------	--------

Optical Rotation	[α] _D ²⁰ = 8 ± 1 ° (C=1 in AcOH)
-------------------------	--

Infrared Spectrum	Conforms to structure
--------------------------	-----------------------

Analysis by Mass Spectra	Conforms to standard
---------------------------------	----------------------

Loss on Drying	≤ 1.0% (35 °C, 2h)
-----------------------	--------------------

¹H NMR	Conforms to structure
--------------------------	-----------------------

Chiral HPLC	≥ 99.5% (ee)
--------------------	--------------

L-Enantiomer	≤ 0.5%
---------------------	--------

Purity by HPLC	≥ 98%
-----------------------	-------

Storage	Store at 0 - 8 °C
----------------	-------------------

For Laboratory Use Only