

# 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

<b>Catalogue Number</b>	03067
<b>Lot Number</b>	000424-130207-10937
<b>Product</b>	<b>D-Glutamic acid dimethyl ester hydrochloride</b>  D-Glu(OMe)-OMe•HCl
<b>CAS Number</b>	27025-25-8
<b>Molecular Formula</b>	C <sub>7</sub> H <sub>13</sub> NO <sub>4</sub> •HCl
<b>Molecular Weight</b>	211.6

---

<b>Appearance</b>	White powder
<b>Solubility</b>	Clear solution (0.3g in 2mL H <sub>2</sub> O)
<b>Melting Point</b>	101.8-102.5 °C
<b>Water Content (Karl Fisher)</b>	0.17%
<b>Optical Rotation</b>	[α] <sub>D</sub> <sup>20</sup> = -25.1° (C=5 in H <sub>2</sub> O)
<b>Infrared Spectrum</b>	Conforms to structure
<b>Analysis by Mass Spectra</b>	Conforms to structure
<b>Loss on Drying</b>	0.11% (40 °C, 2h)
<b><sup>1</sup>H NMR</b>	Conforms to structure
<b>Purity by HPLC</b>	99.75%
<b>Storage</b>	Store at 0-8 °C
<b>Remarks</b>	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