

# Chem-Impex International, Inc.

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## Certificate of Analysis

<b>Catalogue Number</b>	03342
<b>Lot Number</b>	000424-140610-10927
<b>Product</b>	<b>L-Glutamic acid <math>\alpha</math>-methyl ester</b>
	L-Glu-OMe
<b>CAS Number</b>	6384-08-3
<b>Molecular Formula</b>	C <sub>6</sub> H <sub>11</sub> NO <sub>4</sub>
<b>Molecular Weight</b>	161.3

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<b>Appearance</b>	White to off-white powder
<b>Solubility</b>	Clear solution (0.3g in 6 mL H <sub>2</sub> O)
<b>Melting Point</b>	130.6-130.9 °C
<b>Water Content (Karl Fisher)</b>	1.205%
<b>Optical Rotation</b>	[ $\alpha$ ] <sub>D</sub> <sup>20</sup> = +35.0° (C=1% in H <sub>2</sub> O)
<b>Infrared Spectrum</b>	Conforms to structure
<b>Analysis by Mass Spectra</b>	Conforms to standard
<b>Loss on Drying</b>	0.585% (60 °C, 2 h)
<b><sup>1</sup>H NMR</b>	Conforms to structure
<b>Purity by HPLC</b>	99.68%
<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