## Chem-Impex International, Inc.

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825 Dillon Drive

Shipping and Correspondence: Manufacturing site:

Wood Dale, IL 60191 Wood Dale, IL 60191

## Certificate of Analysis

Catalogue Number 12259

**Lot Number** 000424-210220-11528

Product Z-L-glutamic acid  $\gamma$ -tert-butyl ester  $\alpha$ -methyl

Z-L-Glu(OtBu)-OMe

CAS Number 56877-41-9
Molecular Formula C<sub>18</sub>H<sub>25</sub>NO<sub>6</sub>
Molecular Weight 351.39

**Appearance** White powder

**Solubility** Clear solution (0.1 g in 4 mL DMF)

**Melting Point** 40.8 - 41.3 °C

Water Content (Karl

Fisher)

935 Dillon Drive

0.06%

**Optical Rotation** [a]<sub>D</sub><sup>20</sup> = -21.2 ° (C=1 in DMF)

Infrared Spectrum

Analysis by Mass Spectra

Conforms to structure

Conforms to standard

Conforms to structure

Purity by HPLC 98.01%

**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**