## Chem-Impex International, Inc.

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## Certificate of Analysis

Catalogue Number 05957

**Lot Number** 111225-10936

Product D-Glutamic acid γ-methyl ester

D-Glu(OMe)-OH

D-Glutamic acid 5-methyl ester

CAS Number 6461-04-7 Molecular Formula C<sub>6</sub>H<sub>11</sub>NO<sub>4</sub>

**Molecular Weight** 161.6

**Appearance** White powder

**Solubility** Clear solution (0.3 g in 2 mL 6N HCl)

0.28%

**Melting Point** 161.0-161.3 °C

**Water Content (Karl** 

Fisher)

**Optical Rotation** [a]<sub>D</sub><sup>20</sup> = -30.7° (C=2 in 6N HCl)

Infrared Spectrum

Analysis by Mass Spectra

Conforms to structure

Conforms to structure

Conforms to structure

0.03% (70 °C, 2h)

Conforms to structure

Purity by HPLC 99.79%

**Storage** Store at 0-8 °C

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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**