Chem-Impex International, Inc.

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Shipping and Correspondence: Manufacturing site:

935 Dillon Drive

Wood Dale, IL 60191

825 Dillon Drive

Wood Dale, IL 60191

Certificate of Analysis

Catalogue Number 29933

Lot Number 000424-160423

Product D-Glutamic acid γ -tert-butyl ester α -amide

Molecular Formula C₉H₁₈N₂O₃·HCl

Molecular Weight 238.72

Appearance White powder

Solubility Clear solution (1mmol in 2mL H2O)

Melting Point 200.1 - 205.5 °C

Water Content (Karl

Fisher)

0.98%

Optical Rotation [a]_D²⁰ = -17.5 ° (C=1 in H₂O)

Infrared Spectrum Conforms to structure
Analysis by Mass Spectra Conforms to standard

Loss on Drying 0.78% (70°C, 2h)

¹**H NMR** Conforms to structure

L-Enantiomer 0.0677% **Purity by HPLC** 99.54%

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