

Chem-Impex International, Inc.

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Certificate of Analysis

Catalogue Number	06043
Lot Number	000424-130712-16049
Product	L-Glutamic acid γ-ethyl ester

L-Glu(OEt)-OH

L-Glutamic acid 5-ethyl ester

CAS Number	1119-33-1
Molecular Formula	C ₇ H ₁₃ NO ₄
Molecular Weight	175.19

Appearance	White to off-white powder
Solubility	Clear solution (0.3g in 2mL of Water)
Melting Point	167.8-167.9 °C
Water Content (Karl Fisher)	0.462%
Optical Rotation	$[\alpha]_D^{20} = 12.2^\circ$ (C=1 in water)
Infrared Spectrum	Conforms to structure
Analysis by Mass Spectra	Conforms to standard
Loss on Drying	0.38%
¹H NMR	Conforms to structure
Purity by HPLC	99.90%
Storage	Store at 0-8 °C

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Lot Number: 000424-130712-16049

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

A handwritten signature in black ink, appearing to read 'Bala Kumar', with a stylized flourish at the end.

Bala Kumar
Quality Control Manager