

Chem-Impex International, Inc.

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Certificate of Analysis

Catalogue Number	06430
Lot Number	120503-11509
Product	Z-D-glutamic acid α-benzyl ester

Z-D-Glu-OBzl

CAS Number	65706-99-2
Molecular Formula	C ₂₀ H ₂₁ NO ₆

Molecular Weight	371.4
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Appearance	White powder
Solubility	Clear solution (0.3g in 2 mL MeOH)
Melting Point	98.3-98.9 °C
Water Content (Karl Fisher)	0.12%
Optical Rotation	$[\alpha]_D^{20} = +22.9^\circ$ (C= 1 in MeOH)
Infrared Spectrum	Conforms to structure
Analysis by Mass Spectra	Conforms to structure
Loss on Drying	0.32% (50 °C, 2h)
¹H NMR	Conforms to structure
L-Enantiomer	Not detectable
Purity by HPLC	98.7%
Storage	Store at 0-8°C

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Lot Number: 120503-11509

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