

Chem-Impex International, Inc.

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Certificate of Analysis

Catalogue Number	02127
Lot Number	000424-160706-22257
Product	Z-L-α-aminobutyric acid
	Z-L-Abu-OH
	(S)-2-(Benzyloxycarbonylamino)butyric acid
CAS Number	42918-86-5
Molecular Formula	C ₁₂ H ₁₅ NO ₄
Molecular Weight	237.3

Appearance	White crystalline powder
Solubility	Clear solution (0.3 g in 2 mL DMF)
Melting Point	80.1-81.0 °C
Water Content (Karl Fisher)	0.19%
Optical Rotation	[α] _D ²⁰ = -10.8° (C=2 in EtOH)
Infrared Spectrum	Conforms to structure
Analysis by Mass Spectra	Conforms to standard
Loss on Drying	0.10% (40 °C, 2h)
¹H NMR	Conforms to structure
Purity by HPLC	99.01%
Storage	Store at RT

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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