

Chem-Impex International, Inc.

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Certificate of Analysis

Catalogue Number	02115
Lot Number	000424-161019-12008
Product	Z-D-alanine

Z-D-Ala-OH

CAS Number	26607-51-2
Molecular Formula	C ₁₁ H ₁₃ NO ₄

Molecular Weight	223.2
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Appearance	White powder
Solubility	Clear solution (0.3 g in 2 mL AcOH)
Melting Point	83.8-84.5 °C
Water Content (Karl Fisher)	0.079%
Optical Rotation	[α] _D ²⁰ = +14.6° (C=1 in AcOH)
Infrared Spectrum	Conforms to structure
Analysis by Mass Spectra	Conforms to standard
Loss on Drying	0.30% (50 °C, 2h)
¹H NMR	Conforms to structure
L-Enantiomer	0.0978%
Purity by HPLC	99.46%
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