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Certificate of Analysis

Catalogue Number	03843
Product	Z-D-aspartic acid β-tert-butyl ester hydrate
Lot Number	000424-190102-11404
	Z-D-Asp(OtBu)-OH•H ₂ O
CAS Number	71449-08-6, 210471-09-3
Molecular Formula	C ₁₆ H ₂₁ NO ₆ •H ₂ O
Molecular Weight	341.3

Appearance	White powder
Solubility	Clear Solution (0.3 g in 2 mL DMF)
Melting Point	56.4 - 58.8 °C
Elemental Analysis (Found)	< 5% (C, H, N)
Water Content (Karl Fisher)	5.486%
Optical Rotation	[α] _D ²⁰ = -29.6 ° (C=1 in CHCl ₃)
Infrared Spectrum	Conforms to structure
Analysis by Mass Spectra	Conforms to standard
¹H NMR	Conforms to structure
Chiral HPLC	99.85% (ee)
L-Enantiomer	0.1463%
Purity by HPLC	98.57%
Storage	Store at 0 - 8 °C

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Catalog Number: 03843

Lot Number: 000424-190102-11404

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