



INDOFINE Chemical Company, Inc.

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Certificate of Analysis

Catalogue Number	04-979
Lot Number	000424-140514-11716
Product	Z-O-tert-butyl-L-threonine dicyclohexylammonium salt Z-L-Thr(tBu)-OH•DCHA
CAS Number	16966-07-7
Molecular Formula	C ₁₆ H ₂₃ NO ₅ ·C ₁₂ H ₂₃ N
Molecular Weight	490.7

Appearance	White powder
Solubility	Clear solution (0.3g in 4 mL Methanol)
Melting Point	146.8-147.2 °C
Water Content (Karl Fisher)	0.082%
Optical Rotation	[α] _D ²⁰ = +9.0° (C=1 in EtOH)
Infrared Spectrum	Conforms to structure
Analysis by Mass Spectra	Conforms to standard
Loss on Drying	0.24% (70 °C, 2h)
¹ H NMR	Conforms to structure
Purity by HPLC	98.41%
Storage	Store at 0-8 °C

Prepared by:

Ramesh Mandadi

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Director of Operations

Reviewed and approved by:

Sujata Moton

S. Moton

VP