



# INDOFINE Chemical Company, Inc.

121 Stryker Lane, Bldg. 30, Suite 1 • Hillsborough, NJ 08844 • U.S.A.

Phone: (908) 359-6778 • FAX: (908) 359-1179

website: [www.indofinechemical.com](http://www.indofinechemical.com)

e-mail: [chemical@indofinechemical.com](mailto:chemical@indofinechemical.com)

## *Certificate of Analysis*

Catalogue Number	04-980
Lot Number	000424-130122-10933
Product	<b><i>O</i>-tert-Butyl-L-threonine methyl ester hydrochloride</b> L-Thr(tBu)-OMe•HCl

CAS Number	71989-43-0
Molecular Formula	C <sub>9</sub> H <sub>19</sub> NO <sub>3</sub> •HCl
Molecular Weight	225.8

---

Appearance	White powder
Clarity & Color	0.3 g in 2ml DMF clear solution
Melting Point	146.2-147.4 °C
Water Content (Karl Fisher)	0.19%
Optical Rotation	[α] <sup>20</sup> <sub>D</sub> = +12.75 ° C=1 in DMF)
Infrared Spectrum	Conforms to structure
Analysis by Mass Spectra	Conforms to standard
Loss on Drying	0.10%
<sup>1</sup> H NMR	Conforms to structure
Purity by HPLC	99.45%
Storage	Store at 0-8°C