

Chem-Impex International, Inc.

Tel: (630) 766-2112

E-mail: sales@chemimpex.com

Shipping and Correspondence:

935 Dillon Drive

Wood Dale, IL 60191

Fax: (630) 766-2218

Web site: www.chemimpex.com

Manufacturing site:

825 Dillon Drive

Wood Dale, IL 60191

Certificate of Analysis

Catalogue Number	03147
Lot Number	000424-130122-10933
Product	<i>O</i>-tert-Butyl-L-threonine methyl ester hydrochloride L-Thr(tBu)-OMe•HCl
CAS Number	71989-43-0
Molecular Formula	C ₉ H ₁₉ NO ₃ •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	$[\alpha]_D^{20} = +12.75^\circ$ (C=1 in DMF)
Infrared Spectrum	Conforms to structure
Analysis by Mass Spectra	Conforms to standard
Loss on Drying	0.10%
¹H NMR	Conforms to structure
Purity by HPLC	99.45%
Storage	Store at 0-8°C
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