

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	03144
Lot Number	002567-20160414
Product	L-Threonine benzyl ester oxalate(1:1)

L-Thr-OBzl•oxalate(1:1)

CAS Number	201274-07-9
Molecular Formula	C ₁₁ H ₁₅ NO ₃ ·C ₂ H ₂ O ₄
Molecular Weight	299.3

Appearance	Almost white powder
Water Content (Karl Fisher)	0.45%
Optical Rotation	[α] _D ²⁰ = -10.7° (C=1 in MeOH) [α] _D ²⁰ = -18.0° (C=1 in H ₂ O)
Analysis by Mass Spectra	Conforms to standard
¹H NMR	Conforms to structure
Purity by HPLC	99.3%
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