

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	03014
Product	L-Alanine <i>tert</i>-butyl ester hydrochloride
Lot Number	000872-20211101
	L-Ala-OtBu•HCl
CAS Number	13404-22-3
Molecular Formula	C ₇ H ₁₅ NO ₂ •HCl
Molecular Weight	181.7

Appearance	White crystalline powder
Solubility	Clearly soluble (0.5 mmole in 5 mL water)
Melting Point	200.7 - 203.2 °C
Water Content (Karl Fisher)	0.1%
Optical Rotation	[α] _D ²⁰ = 1.7 ° (C=2 in EtOH)
Infrared Spectrum	Conforms to structure
Related Substances	Free Ala : < 0.3% (TLC analysis)
Assay by titration	100.3%
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