

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

Catalog Number	06560
Product Name	Z-Pro-OtBu Z-L-proline t-butyl ester
Lot Number	123810
Molecular Formula	C ₁₇ H ₂₃ NO ₄
Molecular Weight	305.4 g/mol
Appearance	White powder
Solubility	Clear, colorless solution (100mg/ml in Methanol)
Optical Specific Rotation (α^{24}_{D})	-57.4° (2.2%, ethanol)
Melting Point	40-42°C
CHN-Analysis	calc. as HCl (15.2%)
Elemental Analysis (Found)	C=66.75%, H=7.96%, N=4.55%
Elemental Analysis (theory)	C= 66.86%, H=7.59%, N=4.59%
Assay (TLC)	Purity by TLC.....>99%
Chloroform/Methanol/Acetic acid 90/8/2 (v/v/v)	detected by: UV, Ninhydrin, Chlorine-tolidine
Ethylacetate/hexane 4/5 (v/v)	
Chloroform/Ethyl acetate/9/1(v/v)	
Plate Silicagel 60 F₂₅₄	
Purity (TLC)	99.2%
Storage	Store at 0-5°C.
Remarks	See material safety data sheets for additional information.

information.

For laboratory use only.

The foregoing is a copy of the Certificate of Analysis as provided by our supplier

A handwritten signature in black ink, appearing to read 'Sashi Kumar', written over a diagonal line.

Sashi Kumar
Quality Control Manager