

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	08121
Lot Number	000424-230625-13208
Product	Fromyl-L-Valine For-L-Val-OH
CAS Number	4289-97-8
Molecular Formula	C ₆ H ₁₁ NO ₃
Molecular Weight	145.16
<hr/>	
Appearance	White powder
Solubility	0.3 gram in 2 ml EtOH clear solution
Melting Point	152.7 - 152.8 °C
Water Content (Karl Fisher)	0.19%
Optical Rotation	[α] _D ²⁰ = 13.1 ° (C=4 in EtOH)
Infrared Spectrum	Conforms to structure
Analysis by Mass Spectra	Conforms to standard
Loss on Drying	0.32% (60 °C at 2 h)
¹H NMR	Conforms to structure
Purity by HPLC	99.53%
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