



# INDOFINE Chemical Company, Inc.

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## Certificate of Analysis

Catalog Number	04-2676
Product Name	H-Val-OtBu•HCl L-Valine t-butyl ester hydrochloride
Lot Number	20021007
CAS Registry Number	13518-40-6
Molecular Formula	$C_9H_{19}NO_2 \cdot HCl$
Molecular Weight	209.7
Melting Point	137°-140 °C
Appearance	White crystalline powder
Optical Rotation ( $\alpha^{20}_D$ )	+21.5° (C=2, Ethanol)
IR Spectrum	In accordance with structure
Loss on Drying	0.4%
Free Val. Analysis TLC Analysis	<1.0%
Assay (AT)	98.2%