



# INDOFINE Chemical Company, Inc.

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## Certificate of Analysis

<b>Catalog Number</b>	04-129
<b>Product Name</b>	H-Ala-OtBu•HCl L-Alanine t-butyl ester hydrochloride
<b>Lot Number</b>	20021208
<b>CAS Registry Number</b>	13404-22-3
<b>Molecular Formula</b>	C <sub>7</sub> H <sub>15</sub> NO <sub>2</sub> •HCl
<b>Molecular Weight</b>	181.7
<b>Appearance</b>	White crystalline powder
<b>IR Spectrum</b>	Consistent with structure
<b>Loss on Drying</b>	0.4 %
<b>Melting Point</b>	165 – 169 °C
<b>Specific Rotation (<math>\alpha^{20}_D</math>)</b>	+ 2.2 ° (c=2 in EtOH)
<b>Assay (AT)</b>	100.0 %
<b>Free Alanine (TLC)</b>	< 1 %
<b>Storage</b>	Store at 0-5°C