



# INDOFINE Chemical Company, Inc.

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## *Certificate of Analysis*

<b>Catalogue Number</b>	04-151
<b>Lot Number</b>	000129-03781
<b>Product</b>	<b>L-Alanine 4-nitroanilide hydrochloride</b>
	L-Ala-pNA•HCl
<b>Molecular Formula</b>	$C_9H_{11}N_3O_3 \cdot HCl$
<b>Molecular Weight</b>	245.7

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<b>Appearance</b>	Off white crystalline powder
<b>Melting Point</b>	> 170 °C (dec.)
<b>Optical Rotation</b>	$[\alpha]_D = +10.3^\circ$ (C=1 in MeOH)
<b>Assay By Titration</b>	94.9%
<b>Purity by HPLC</b>	99.3%
<b>Purity by TLC</b>	Single spot
<b>Storage</b>	Store at 2-8 °C