



INDOFINE Chemical Company, Inc.

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Certificate of Analysis

Catalogue Number 04-151
Lot Number 000129-170408
Product **L-Alanine 4-nitroanilide hydrochloride**

L-Ala-pNA•HCl

CAS Number 31796-55-1
Molecular Formula $C_9H_{11}N_3O_3 \cdot HCl$

Molecular Weight 245.7

Appearance Off-white crystalline powder
Melting Point 186 - 189 °C
Optical Rotation $[\alpha]_D^{20} = +11.3^\circ$ (C=1 in MeOH)
Assay by titration 99.3%
Purity by HPLC 99.9%
Purity by TLC > 99%
Storage Store at 0-8 °C

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