



# INDOFINE Chemical Company, Inc.

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## *Certificate of Analysis*

<b>Catalogue Number</b>	04-2707
<b>Lot Number</b>	116574
<b>Product</b>	<b>Val-Pro-OH•HCl</b>  (S,S)-1-(2-Amino-3-methyl-butyryl)pyrrolidine-2-carboxylic acid hydrochloride  L-Valyl-L-proline hydrochloride
<b>CAS Number</b>	105931-64-4
<b>Molecular Formula</b>	C <sub>10</sub> H <sub>18</sub> N <sub>2</sub> O <sub>3</sub> •HCl

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<b>Appearance</b>	White powder
<b>Solubility</b>	Clear, colorless solution (50 mg/ml in acetic acid 80%)
<b>Elemental Analysis (Theory)</b>	C = 47.43%; H = 7.67%; N = 11.06%
<b>Elemental Analysis (Found)</b>	C = 47.28%; H = 7.44%; N = 11.04%; Calc. as 1 HCl x 0.1 Water
<b>Water Content (Karl Fisher)</b>	1.1%
<b>TLC System</b>	n-butanol/acetic acid/H <sub>2</sub> O (4:2:2)chloroform/methanol/acetic acid 32% (5:3:1) Plate: Silicagel 60 F <sub>254</sub>
<b>Purity by TLC</b>	> 99%
<b>Storage</b>	Store at 0-8°C
<b>Additional Information</b>	Chloride content: 14.0%