



# INDOFINE Chemical Company, Inc.

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## *Certificate of Analysis*

<b>Catalogue Number</b>	04-2243
<b>Product</b>	<b>D-Phenylalanine amide hydrochloride</b>
<b>Lot Number</b>	0000424-140326-13316 D-Phe-NH <sub>2</sub> •HCl
<b>CAS Number</b>	71666-94-9
<b>Molecular Formula</b>	C <sub>9</sub> H <sub>12</sub> N <sub>2</sub> O•HCl
<b>Molecular Weight</b>	200.7

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<b>Appearance</b>	White powder
<b>Solubility</b>	Clear solution (0.3g in 2 mL MeOH)
<b>Melting Point</b>	234.3 °C
<b>Water Content (Karl Fisher)</b>	0.092%
<b>Optical Rotation</b>	[α] <sub>D</sub> <sup>20</sup> = -15.8° (C=1% in DMF)
<b>Infrared Spectrum</b>	Conforms to structure
<b>Analysis by Mass Spectra</b>	Conforms to standard
<b>Loss on Drying</b>	0.97% (80 °C, 2 h)
<b><sup>1</sup>H NMR</b>	Conforms to structure
<b>Purity by HPLC</b>	98.13%
<b>Storage</b>	Store at 0-8 °C