

# **Chem-Impex International, Inc.**

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## **Certificate of Analysis**

<b>Catalog Number</b>	12100
<b>Product Name</b>	<b>H-Pro-OEt•HCl</b> L-Proline ethyl ester hydrochloride
<b>Lot Number</b>	0160500505
<b>CAS Registry Number</b>	33305-75-8
<b>Molecular Formula</b>	C <sub>7</sub> H <sub>13</sub> NO <sub>2</sub> •HCl
<b>Molecular Weight</b>	179.65
<b>Appearance</b>	Light brown oil
<b>Solubility</b>	Clear solution in EtOH
<b>Optical Rotation</b>	$\alpha_D^{25} = -32 \pm 1^\circ$ (1% in EtOH)
<b>Purity (HPLC)</b>	98%
<b>Mobile Phase</b>	Buffer A 0.1% TFA/99.9% H <sub>2</sub> O Buffer B 0.1% TFA/4.9% H <sub>2</sub> O/95% CH <sub>3</sub> CN
<b>Gradient</b>	0-50% Buffer B in 20 min
$\lambda$	210 nm
<b>Column</b>	150X4.6mm, 5 $\mu$ m, C <sub>18</sub> Column
<b>Flow Rate</b>	1.2 ml/min
<b>Storage</b>	Store at 0-5°C
<b>Caution</b>	Hygroscopic!
<b>Remarks</b>	See Material Safety Data Sheets for additional information. For Laboratory use only

**The foregoing is a copy of the Certificate of Analysis as provided by our supplier**

**Quality Control Manager**