

# Chem-Impex International, Inc.

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## Certificate of Analysis

<b>Catalog Number</b>	01699
<b>Product Name</b>	<b>H-Pro-OtBu•HCl</b> L-Proline t-butyl ester hydrochloride
<b>Lot Number</b>	20050930
<b>CAS Registry Number</b>	5497-76-7
<b>Molecular Formula</b>	C <sub>9</sub> H <sub>17</sub> NO <sub>2</sub> •HCl
<b>Molecular Weight</b>	207.7
<b>Appearance</b>	White crystalline powder
<b>Melting point</b>	109.8-110.0 °C
<b>Specific Optical Rotation</b>	$\alpha_D^{20} = -34.0^\circ$ (C=2, EtOH)
<b>IR Spectrum</b>	In accordance with structure
<b>Loss on drying</b>	0.2%
<b>Free Pro. TLC Analysis</b>	< 1.0%
<b>Assay (AT)</b>	101.0%
<b>Storage</b>	Store at 0-5°C.
<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



Sashi Kumar  
Quality Control Manager