

# Chem-Impex International, Inc.

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## Certificate of Analysis

<b>Catalogue Number</b>	28168
<b>Lot Number</b>	001702-20130602
<b>Product</b>	<b>(R)-3-Hydroxypyrrolidine hydrochloride</b> (R)-(-)-3-Pyrrolidinol hydrochloride
<b>CAS Number</b>	104706-47-0
<b>Molecular Formula</b>	C <sub>4</sub> H <sub>9</sub> NO•HCl
<b>Molecular Weight</b>	123.58

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<b>Appearance</b>	Pale brown crystal powder
<b>Appearance of Solution</b>	Transparent
<b>Melting Point</b>	104.5-105 °C
<b>Optical Rotation</b>	[α] <sub>D</sub> <sup>20</sup> = - 7.6 ° (C=3.5 in CH <sub>3</sub> OH)
<b>Assay</b>	98.8%
<b>Chiral Purity</b>	98.77% (ee)
<b>Storage</b>	Store at 0-8°C
<b>Remarks</b>	See material safety data sheet for additional information For laboratory use only

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



**Bala Kumar**  
Quality Control Manager