

# Chem-Impex International, Inc.

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## Certificate of Analysis

<b>Catalogue Number</b>	05880
<b>Product</b>	<b>L-Asparagine amide hydrochloride</b>
<b>Lot Number</b>	002494-2018-11-21 L-Asn-NH <sub>2</sub> •HCl
<b>CAS Number</b>	57471-69-9
<b>Molecular Formula</b>	C <sub>4</sub> H <sub>9</sub> N <sub>3</sub> O <sub>2</sub> •HCl
<b>Molecular Weight</b>	167.63

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<b>Appearance</b>	White powder
<b>Optical Rotation</b>	[α] <sub>D</sub> <sup>25</sup> = -14.2 ± 2° (C=1 in H <sub>2</sub> O)
<b><sup>13</sup>C NMR</b>	Conforms to structure
<b><sup>1</sup>H NMR</b>	Conforms to structure
<b>Purity</b>	> 98% (NMR)
<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