

# *Chem-Impex International, Inc.*

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## *Product Specifications*

<b>Catalogue Number</b>	08384
<b>Product</b>	<b>L-Asparagine methyl ester hydrochloride</b> L-Asn-OMe•HCl
<b>CAS Number</b>	57461-34-4
<b>Molecular Formula</b>	C <sub>5</sub> H <sub>10</sub> N <sub>2</sub> O <sub>3</sub> •HCl
<b>Molecular Weight</b>	182.61

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<b>Appearance</b>	Off-white powder
<b>Appearance of Solution</b>	Clear, colorless solution (50 mg/mL in Methanol)
<b>Water Content (Karl Fisher)</b>	≤ 1%
<b>TLC System</b>	n-butanol/Acetic acid/Water (4/2/2) Chloroform/Methanol/Acetic acid 32% (5/3/1) Ethylacetate/Pyridine/Acetic acid/Water (60/60/12/36) Plate : Silicagel 60 F <sub>254</sub> Detected by : UV, ninhydrin, chlorine-tolidine
<b>Titration</b>	Chloride content : ≤ 19%
<b>Assay</b>	≥ 92% (Nth 15.34% by elemental analysis)
<b>Purity by TLC</b>	≥ 98%
<b>Storage</b>	Store at 0 - 8 °C

**For Laboratory Use Only**