

# Chem-Impex International, Inc.

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## Certificate of Analysis

<b>Catalogue Number</b>	02677
<b>Lot Number</b>	000424-151106-13205
<b>Product</b>	<b>N-Methyl-L-valine hydrochloride</b>  N-Me-L-Val-OH•HCl
<b>CAS Number</b>	2480-23-1
<b>Molecular Formula</b>	C <sub>6</sub> H <sub>13</sub> NO <sub>2</sub> •HCl
<b>Molecular Weight</b>	167.7

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<b>Appearance</b>	White powder
<b>Solubility</b>	Clear solution (0.1 g in 2 mL Methanol)
<b>Melting Point</b>	175.9-178.1°C
<b>Water Content (Karl Fisher)</b>	0.533%
<b>Optical Rotation</b>	+33.0° (C=1, MeOH)
<b>Infrared Spectrum</b>	Conforms to structure
<b>Analysis by Mass Spectra</b>	Conforms to standard
<b>Loss on Drying</b>	0.65%
<b><sup>1</sup>H NMR</b>	Conforms to structure
<b>Assay</b>	99.562%
<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