

# *Chem-Impex International, Inc.*

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## *Certificate of Analysis*

<b>Catalogue Number</b>	06268
<b>Lot Number</b>	000424-180915-16095
<b>Product</b>	<b>L-Valine ethyl ester hydrochloride</b>
	L-Val-OEt•HCl
<b>CAS Number</b>	17609-47-1
<b>Molecular Formula</b>	C <sub>7</sub> H <sub>15</sub> NO <sub>2</sub> •HCl
<b>Molecular Weight</b>	181.65

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<b>Appearance</b>	White powder
<b>Solubility</b>	Clear solution (0.3 g in 2 ml water)
<b>Melting Point</b>	102.3 - 103.3 °C
<b>Water Content (Karl Fisher)</b>	0.429%
<b>Optical Rotation</b>	[α] <sub>D</sub> <sup>20</sup> = + 6.5 ° (C=2 in H <sub>2</sub> O)
<b>Infrared Spectrum</b>	Conforms to structure
<b>Analysis by Mass Spectra</b>	Conforms to standard
<b>Loss on Drying</b>	0.46% (40°C, 2h)
<b><sup>1</sup>H NMR</b>	Conforms to structure
<b>Purity by HPLC</b>	99.94%
<b>Storage</b>	Store at 0-8°C

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**Remarks**

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**