

# Chem-Impex International, Inc.

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## Certificate of Analysis

<b>Catalogue Number</b>	12102
<b>Lot Number</b>	000424-150701-21706
<b>Product</b>	<b>Sarcosine ethyl ester hydrochloride</b>

Sar-OEt•HCl

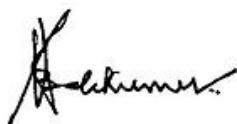
*N*-Methylglycine ethyl ester hydrochloride

<b>CAS Number</b>	52605-49-9
<b>Molecular Formula</b>	C <sub>5</sub> H <sub>11</sub> NO <sub>2</sub> •HCl
<b>Molecular Weight</b>	153.62

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<b>Appearance</b>	White crystals
<b>Solubility</b>	Clear solution (0.3 gram in 2 ml DMF)
<b>Water Content (Karl Fisher)</b>	0.47%
<b>Infrared Spectrum</b>	Conforms to structure
<b>Analysis by Mass Spectra</b>	Conforms to structure
<b>Loss on Drying</b>	0.35% (60 °C for 2 hours)
<b><sup>13</sup>C NMR</b>	Conforms to structure
<b><sup>1</sup>H NMR</b>	Conforms to structure
<b>Purity by HPLC</b>	98.21%
<b>Storage</b>	Store at RT
<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