

# Chem-Impex International, Inc.

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825 Dillon Drive

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## Certificate of Analysis

<b>Catalogue Number</b>	03134
<b>Lot Number</b>	000424-130315-21701
<b>Product</b>	<b>Sarcosine <i>tert</i>-butyl ester hydrochloride</b>  Sar-OtBu•HCl  <i>N</i> -Methylglycine <i>t</i> -butyl ester hydrochloride
<b>CAS Number</b>	5616-81-9
<b>Molecular Formula</b>	C <sub>7</sub> H <sub>15</sub> NO <sub>2</sub> •HCl
<b>Molecular Weight</b>	181.7

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<b>Appearance</b>	White crystalline powder
<b>Solubility</b>	Clear solution (0.3 gram in 2 mL MeOH)
<b>Melting Point</b>	140.8-141.2 °C
<b>Water Content (Karl Fisher)</b>	0.089%
<b>Infrared Spectrum</b>	Conforms to structure
<b>Analysis by Mass Spectra</b>	Conforms to structure
<b>Loss on Drying</b>	0.10% (60 °C, 2 hour)
<b><sup>1</sup>H NMR</b>	Conforms to structure
<b>Purity by HPLC</b>	99.92%
<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**