

# Chem-Impex International, Inc.

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825 Dillon Drive

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## Certificate of Analysis

<b>Catalogue Number</b>	01344
<b>Product</b>	<b><i>N</i><sup>α</sup>,<i>N</i><sup>α'</sup>-Bis-Boc-L-cystine</b>

<b>Lot Number</b>	000424-151216-30508 (Boc-L-Cys-OH) <sub>2</sub>
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<b>CAS Number</b>	10389-65-8
<b>Molecular Formula</b>	C <sub>16</sub> H <sub>28</sub> N <sub>2</sub> O <sub>8</sub> S <sub>2</sub>

<b>Molecular Weight</b>	440.6
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<b>Appearance</b>	White powder
<b>Solubility</b>	Clear solution (0.3 g in 2 mL MeOH)
<b>Melting Point</b>	140.3-143.1 °C
<b>Water Content (Karl Fisher)</b>	1.599%
<b>Optical Rotation</b>	[α] <sup>20</sup> <sub>D</sub> = -115.3° (C=1, AcOH)
<b>Infrared Spectrum</b>	Conforms to structure
<b>Analysis by Mass Spectra</b>	Conforms to standard
<b>Loss on Drying</b>	0.483% (60°C, 2h)
<b><sup>1</sup>H NMR</b>	Conforms to structure
<b>Purity by HPLC</b>	98.84%
<b>Storage</b>	Store at 0-8 °C

## ***Certificate of Analysis***

**Catalog Number: 01344**

**Lot Number: 000424-151216-30508**

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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**