

# Chem-Impex International, Inc.

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## Certificate of Analysis

<b>Catalogue Number</b>	05296
<b>Lot Number</b>	000424-161123-30507
<b>Product</b>	<b>Boc-S-<i>tert</i>-butyl-L-cysteine</b>  Boc-L-Cys( <i>t</i> Bu)-OH  Boc-( <i>R</i> )-2-amino-3-( <i>S-tert</i> -butylthio)butanoic acid
<b>CAS Number</b>	56976-06-8
<b>Molecular Formula</b>	C <sub>12</sub> H <sub>23</sub> NO <sub>4</sub> S
<b>Molecular Weight</b>	277.4

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<b>Appearance</b>	White powder
<b>Solubility</b>	Clear solution (0.3 g in 2 mL DMF)
<b>Melting Point</b>	88.5-90.1 °C
<b>Water Content (Karl Fisher)</b>	0.0345%
<b>Optical Rotation</b>	[α] <sub>D</sub> <sup>20</sup> = -15.9° (C=1 in DMF)
<b>Infrared Spectrum</b>	Conforms to structure
<b>Analysis by Mass Spectra</b>	Conforms to standard
<b>Loss on Drying</b>	0.77% (40 °C, 2h)
<b><sup>1</sup>H NMR</b>	Conforms to structure
<b>Purity by HPLC</b>	99.52%
<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**