

# Chem-Impex International, Inc.

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## Certificate of Analysis

<b>Catalogue Number</b>	01342
<b>Lot Number</b>	000424-160405-30503
<b>Product</b>	<b>Boc-S-4-methoxybenzyl-L-cysteine</b>

Boc-L-Cys(pMeOBzl)-OH

<b>CAS Number</b>	18942-46-6
<b>Molecular Formula</b>	C <sub>16</sub> H <sub>23</sub> NO <sub>5</sub> S
<b>Molecular Weight</b>	341.4

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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>	74.4 - 75.4 °C
<b>Elemental Analysis (Found)</b>	< 5.0% (C, H, N)
<b>Water Content (Karl Fisher)</b>	0.236%
<b>Optical Rotation</b>	[α] <sub>D</sub> <sup>20</sup> = - 40.8° (C=2 in DMF)
<b>Infrared Spectrum</b>	Conforms to structure
<b>Analysis by Mass Spectra</b>	Conforms to standard
<b>Loss on Drying</b>	0.31% (30°C, 2h)
<b><sup>1</sup>H NMR</b>	Conforms to structure
<b>Purity by HPLC</b>	98.28%
<b>Purity by TLC</b>	> 98%
<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**