

# Chem-Impex International, Inc.

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## Certificate of Analysis

<b>Catalogue Number</b>	03802
<b>Product</b>	<b><i>N</i><sup>α</sup>-Boc-<i>N</i><sup>ε</sup>-trifluoroacetyl-L-lysine</b>
<b>Lot Number</b>	000424-150727-31113 Boc-L-Lys(Tfa)-OH
<b>CAS Number</b>	16965-06-3
<b>Molecular Formula</b>	C <sub>13</sub> H <sub>21</sub> F <sub>3</sub> N <sub>2</sub> O <sub>5</sub>
<b>Molecular Weight</b>	342.3
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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>	104.3-105.3 °C
<b>Water Content (Karl Fisher)</b>	0.21%
<b>Optical Rotation</b>	[α] <sub>D</sub> <sup>20</sup> = -12.2° (C=2 in DMF)
<b>Infrared Spectrum</b>	Conforms to standard
<b>Analysis by Mass Spectra</b>	Conforms to standard
<b>Loss on Drying</b>	0.02% (50 °C, 2 h)
<b><sup>1</sup>H NMR</b>	Conforms to standard
<b>Purity by HPLC</b>	99.32%
<b>Storage</b>	Store at 0-8 °C
<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