

# Chem-Impex International, Inc.

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## Certificate of Analysis

<b>Catalogue Number</b>	03678
<b>Lot Number</b>	0000424-140327-30902
<b>Product</b>	<b>Boc-L-isoleucine N-hydroxysuccinimide ester</b>

Boc-L-Ile-OSu

<b>CAS Number</b>	3392-08-3
<b>Molecular Formula</b>	C <sub>15</sub> H <sub>24</sub> N <sub>2</sub> O <sub>6</sub>
<b>Molecular Weight</b>	328.4

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<b>Appearance</b>	White to off-white powder
<b>Solubility</b>	Clear solution (0.3g in 2 mL MeOH)
<b>Melting Point</b>	105.2-106.8 °C
<b>Water Content (Karl Fisher)</b>	0.050%
<b>Optical Rotation</b>	[α] <sub>D</sub> <sup>20</sup> = -25.84° (C=2% in dioxane)
<b>Infrared Spectrum</b>	Conforms to structure
<b>Analysis by Mass Spectra</b>	Conforms to standard
<b>Loss on Drying</b>	0.11%
<b><sup>1</sup>H NMR</b>	Conforms to structure
<b>Purity by HPLC</b>	99.94%
<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