

# Chem-Impex International, Inc.

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825 Dillon Drive

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## Certificate of Analysis

<b>Catalogue Number</b>	05368
<b>Lot Number</b>	120925-16073
<b>Product</b>	<b><i>N</i><sup>δ</sup>-Boc-D-ornithine</b>
	D-Orn(Boc)-OH
<b>CAS Number</b>	184576-63-4
<b>Molecular Formula</b>	C <sub>10</sub> H <sub>20</sub> N <sub>2</sub> O <sub>4</sub>
<b>Molecular Weight</b>	232.3
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<b>Appearance</b>	White powder
<b>Solubility</b>	Clear solution (0.1g in 4 mL AcOH)
<b>Melting Point</b>	221.3-224.3 °C
<b>Water Content (Karl Fisher)</b>	0.33%
<b>Optical Rotation</b>	[α] <sub>D</sub> <sup>20</sup> = -4.0° (C=2 in H <sub>2</sub> O)
<b>Infrared Spectrum</b>	Conforms to structure
<b>Analysis by Mass Spectra</b>	Conforms to standard
<b>Loss on Drying</b>	0.26% (80 °C, 2h)
<b><sup>1</sup>H NMR</b>	Conforms to structure
<b>Purity by HPLC</b>	98.97%
<b>Storage</b>	Store at 0-8 °C

# *Certificate of Analysis*

Catalog Number: 05368

Lot Number: 120925-16073

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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**