

# **Chem-Impex International, Inc.**

**Tel:** (630) 766-2112

**E-mail:** [sales@chemimpex.com](mailto:sales@chemimpex.com)

**Shipping and Correspondence:**

935 Dillon Drive

Wood Dale, IL 60191

**Fax:** (630) 766-2218

**Web site:** [www.chemimpex.com](http://www.chemimpex.com)

**Manufacturing site:**

825 Dillon Drive

Wood Dale, IL 60191

---

## **Certificate of Analysis**

<b>Catalog Number</b>	15108
<b>Product Name</b>	<b>Boc-β-cyclobutyl-Ala-OH•DIPA</b> Boc-Ala(β-cyclobutyl)-OH•DIPA
<b>Lot Number</b>	B4451-08101-21
<b>Molecular Formula</b>	C <sub>12</sub> H <sub>21</sub> NO <sub>4</sub> ·C <sub>6</sub> H <sub>15</sub> N
<b>Molecular Weight</b>	344.49
<b>Appearance</b>	White powder FFVC
<b>Melting Point</b>	96.5 – 99.4 °C
<b>Optical Rotation</b>	[α] <sub>D</sub> = +5.3 ° (c=1, Methanol)
<b>Identification by IR</b>	Conforms to reference
<b>Assay by TLC</b>	< 0.2% Cyclobutylalanine HCl
<b>HPLC at 215nm</b>	99.2% area normalization.
<b>Loss on Drying</b>	0.0%
<b>Chiral Purity</b>	99.3% Chiral HPLC
<b>Storage</b>	Store at 0°C.
<b>Remarks</b>	See Material Safety Data Sheets for additional information. For Laboratory use only

**The foregoing is a copy of the Certificate of Analysis as provided by our supplier.**

**Quality Control Manager**