

# Chem-Impex International, Inc.

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## Certificate of Analysis

<b>Catalogue Number</b>	01340
<b>Lot Number</b>	000872-20131201
<b>Product</b>	<b>Boc-L-aspartic acid <math>\beta</math>-tert-butyl ester dicyclohexylammonium salt</b> Boc-L-Asp(OtBu)-OH•DCHA
<b>CAS Number</b>	1913-12-8
<b>Molecular Formula</b>	C <sub>13</sub> H <sub>23</sub> NO <sub>6</sub> •C <sub>12</sub> H <sub>23</sub> N
<b>Molecular Weight</b>	470.6

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<b>Appearance</b>	White powder
<b>Solubility</b>	Clearly soluble (0.5 mmol in 1 mL DMF)
<b>Melting Point</b>	142.1-143.5 °C
<b>Optical Rotation</b>	[ $\alpha$ ] <sub>D</sub> <sup>20</sup> = +18.6° (C=1 in EtOH)
<b>Loss on Drying</b>	0.3%
<b>Purity by HPLC</b>	98.6%
<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