

# Chem-Impex International, Inc.

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## Certificate of Analysis

<b>Catalogue Number</b>	22757
<b>Lot Number</b>	000424-230302-24186
<b>Product</b>	<b>(S)-Boc-5,5-dimethyl-pyrrolidine-2-carboxylic</b> (S)-Boc-5,5-dimethyl-Pro-OH
<b>CAS Number</b>	943318-67-0
<b>Molecular Formula</b>	C <sub>12</sub> H <sub>21</sub> NO <sub>4</sub>
<b>Molecular Weight</b>	243.3

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<b>Appearance</b>	White powder
<b>Optical Rotation</b>	[α] <sub>D</sub> <sup>20</sup> = -92.5 ° (C=1 in CHCl <sub>3</sub> )
<b>Analysis by Mass Spectra</b>	Conforms to standard
<b><sup>1</sup>H NMR</b>	Conforms to structure
<b>Chiral HPLC</b>	98.7% (ee)
<b>Other Enantiomer</b>	1.3%
<b>Purity by HPLC</b>	99.8%
<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