

# Chem-Impex International, Inc.

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## Certificate of Analysis

<b>Catalogue Number</b>	02685
<b>Lot Number</b>	000424-230210-20107
<b>Product</b>	<b>Boc-3-(3'-pyridyl)-D-alanine</b> Boc-D-Ala(3'-pyridyl)-OH
<b>CAS Number</b>	98266-33-2
<b>Molecular Formula</b>	C <sub>13</sub> H <sub>18</sub> N <sub>2</sub> O <sub>4</sub>
<b>Molecular Weight</b>	266.3

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<b>Appearance</b>	Off-white powder
<b>Solubility</b>	Clear solution (0.3 g in 2 mL DMF)
<b>Melting Point</b>	137.6 - 138.6 °C
<b>Water Content (Karl Fisher)</b>	0.24%
<b>Optical Rotation</b>	[α] <sub>D</sub> <sup>20</sup> = -15.8 ° (C=1 in EtOH)
<b>Infrared Spectrum</b>	Conforms to structure
<b>Analysis by Mass Spectra</b>	Conforms to standard
<b>Loss on Drying</b>	0.18% (60 °C, 2h)
<b><sup>1</sup>H NMR</b>	Conforms to structure
<b>Chiral HPLC</b>	99.22% (ee)
<b>L-Enantiomer</b>	0.78%
<b>Purity by HPLC</b>	99.01%
<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