

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

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## **Certificate of Analysis**

<b>Catalog Number</b>	04934
<b>Product Name</b>	<b>Boc-D-Ala(2'-quinoly)-OH</b> Boc-3-(2'-quinoly)-D-alanine
<b>Lot Number</b>	04934-082406-1
<b>Molecular Formula</b>	C <sub>17</sub> H <sub>20</sub> N <sub>2</sub> O <sub>4</sub>
<b>Molecular Weight</b>	316.30
<b>Appearance</b>	Off-white powder
<b>Solubility</b>	Clear, yellowish solution (50mg/ml in Methanol)
<b>Melting Point</b>	148-150 °C
<b>Optical Rotation</b>	11.78 ° (0.62, MeOH)
<b>Purity (HPLC)</b>	99%
<b>Storage</b>	Store at 0-5°C.
<b>Remarks</b>	See material safety data sheets for additional information. For laboratory use only.

**Quality Control Manager**

## HPLC Conditions

<b>Column</b>	Beckman Ultrasphere 5 $\mu$ m, 250x4.6 mm, 150 Å
<b>Guard Column</b>	Supel Guard LC-18-DB, 2 cm
<b>Retention Time, min</b>	5.31
<b>Sample preparation</b>	2 mg/1 ml 100% Acetonitrile/Water
<b>Injection volume, <math>\mu</math>l</b>	5
<b>Method /Detection at, nm</b>	<b>Gradient</b>
	30-80% B
	A = 99.9% Water, 0.1% TFA
<b>Boc / 210</b>	B = 95% Acetonitrile, 4.9% Water, 0.1% TFA
	30 min, flow rate = 1.0 ml / min