



# INDOFINE Chemical Company, Inc.

121 Stryker Lane, Bldg. 30, Suite 1 • Hillsborough, NJ 08844 • U.S.A.

Phone: (908) 359-6778 • FAX: (908) 359-1179

website: [www.indofinechemical.com](http://www.indofinechemical.com)

e-mail: [chemical@indofinechemical.com](mailto:chemical@indofinechemical.com)

## Certificate of Analysis

Catalog Number	04-506
Product Name	Boc-Alaninol N <sup>α</sup> -(t-Butyloxycarbonyl)-L-alaninol
Lot Number	070705-1
Molecular Formula	C <sub>8</sub> H <sub>17</sub> NO <sub>3</sub>
Molecular Weight	175.2
Melting Point	57-58°C
Appearance	White powder
HPLC Purity	>97%
Optical Rotation [ $\alpha$ ] <sub>D</sub> @ 25°C	-8.72° (c=1.3, Methanol)
TLC	One single spot
Storage	Store at -0°C

## HPLC Conditions

Column	Beckman Ultrasphere 5 $\mu$ m, 250x4.6 mm, 150 Å
Guard Column	Supel Guard LC-18-DB, 2 cm
Retention Time, min	4.81
Sample preparation	2 mg/1 ml 50% Acetonitrile/Water
Injection volume, $\mu$ l	5
Method /Detection at, nm	Gradient
	30-80% B
	A = 99.9% Water, 0.1% TFA
	B = 95% Acetonitrile, 4.9% Water, 0.1% TFA
	30 min, flow rate = 1.0 ml / min

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