

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

**Tel:** (630) 766-2112

**E-mail:** [sales@chemimpex.com](mailto:sales@chemimpex.com)

**Shipping and Correspondence:**

935 Dillon Drive

Wood Dale, IL 60191

**Fax:** (630) 766-2218

**Web site:** [www.chemimpex.com](http://www.chemimpex.com)

**Manufacturing site:**

825 Dillon Drive

Wood Dale, IL 60191

---

## **Certificate of Analysis**

<b>Catalog Number</b>	04345
<b>Product Name</b>	<b>Ac-D-Bpa-OH</b> N-Acetyl-4-benzoyl-D-phenylalanine Ac-D-Phe(4-Bz)-OH
<b>Lot Number</b>	04345-011507-1(A)
<b>Molecular Formula</b>	C <sub>18</sub> H <sub>17</sub> NO <sub>4</sub>
<b>Molecular Weight</b>	311.23
<b>Appearance</b>	Off powder
<b>Solubility</b>	Colorless solution (50 mg/ml in MeOH)
<b>Melting Point</b>	168-170 °C
<b>Specific Optical Rotation</b>	$\alpha_D^{24} = -40.14^\circ$ (1.0, MeOH)
<b>Purity (HPLC)</b>	98.2%
<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>	8.05
<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