

# Chem-Impex International, Inc.

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## Certificate of Analysis

<b>Catalog Number</b>	05358
<b>Product Name</b>	Z-N-Me-D-Ala-OH Z-N-methyl-D-alanine
<b>Lot Number</b>	05358-021705-1
<b>Molecular Formula</b>	C <sub>12</sub> H <sub>15</sub> NO <sub>4</sub>
<b>Molecular Weight</b>	237.2
<b>Melting Point</b>	64-66 °C
<b>Specific Rotation</b>	$\alpha^20_D = -26.23^\circ$ (c=1.0% in MeOH)
<b>Purity (HPLC)</b>	98%
<b>Storage</b>	Store at 0-5°C.
<b>Remarks</b>	See material safety data sheets for additional information. For laboratory use only.



Sashi Kumar  
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>	6.45
<b>Sample preparation</b>	6 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