

# Chem-Impex International, Inc.

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## Certificate of Analysis

<b>Catalog Number</b>	03400
<b>Product Name</b>	<b>H-D-3-Ala(1-naphthyl)-OH</b> 3-(1-Naphthyl)-D-alanine
<b>Lot Number</b>	2010061214
<b>Molecular Formula</b>	C <sub>13</sub> H <sub>13</sub> NO <sub>2</sub>
<b>Molecular Weight</b>	215.26
<b>Appearance</b>	White powder
<b>Solubility</b>	Clear solution in 1 N NaOH
<b>Melting Point</b>	220-222 °C (Dec.)
<b>Optical Rotation</b>	$\alpha_D^{25} = -24 \pm 1^\circ$ (1% in 1N NaOH)
<b>Purity (HPLC)</b>	98%
<b>HPLC Conditions</b>	
<b>Mobile Phase</b>	Buffer A 0.1% TFA/99.9% H <sub>2</sub> O Buffer B 0.1% TFA/4.9% H <sub>2</sub> O/95% CH <sub>3</sub> CN
<b>Gradient</b>	10-60% Buffer B in 20 min
$\lambda$	210 nm
<b>Column</b>	150X4.6mm, 5 $\mu$ m, C <sub>18</sub> Column
<b>Flow Rate</b>	1.2 ml/min
<b>Storage</b>	Store at -0°C.
<b>Remarks</b>	See material safety data sheets for additional information. For laboratory use only.

The foregoing is a copy of the Certificate of Analysis as provided by our supplier



Sashi Kumar  
Quality Control Manager