

# Chem-Impex International, Inc.

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825 Dillon Drive

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## Certificate of Analysis

<b>Catalogue Number</b>	02851
<b>Lot Number</b>	000424-121221-20201
<b>Product</b>	<b>3-(1-Naphthyl)-L-alanine</b>  L-Ala(1-naphthyl)-OH  (S)-2-Amino-3-naphthalen-1-yl-propionic acid
<b>CAS Number</b>	55516-54-6
<b>Molecular Formula</b>	C <sub>13</sub> H <sub>13</sub> NO <sub>2</sub>
<b>Molecular Weight</b>	215.3

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<b>Appearance</b>	White powder
<b>Solubility</b>	Clear solution (0.3 g in 3 ml EtOH and 3 ml 2N HCl)
<b>Melting Point</b>	241.7-242.7°C
<b>Optical Rotation</b>	[α] <sub>D</sub> <sup>20</sup> = -10.88 ° (C=0.8 in 0.3N HCl)
<b>Infrared Spectrum</b>	Conforms to structure
<b>Analysis by Mass Spectra</b>	Conforms to standard
<b>Loss on Drying</b>	0.32%
<b><sup>1</sup>H NMR</b>	Conforms to structure
<b>Purity by HPLC</b>	99.91%
<b>Storage</b>	Store at 0-8°C
<b>Remarks</b>	See material safety data sheet for additional information  For laboratory use only

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



**Bala Kumar**  
Quality Control Manager