

# Chem-Impex International, Inc.

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## Certificate of Analysis

<b>Catalogue Number</b>	01320
<b>Lot Number</b>	159.1B11.1
<b>Product</b>	<b><math>\beta</math>-(2-Thienyl)-L-alanine</b> 3-L-Ala(2-thienyl)-OH (S)- $\alpha$ -Amino-2-thiophenepropionic acid
<b>CAS Number</b>	22951-96-8
<b>Molecular Formula</b>	C <sub>7</sub> H <sub>9</sub> NO <sub>2</sub> S
<b>Molecular Weight</b>	171.2

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<b>Appearance</b>	Off-white crystals
<b>Melting Point</b>	258-259 °C (dec.)
<b>Water Content (Karl Fisher)</b>	0.51%
<b>Optical Rotation</b>	[ $\alpha$ ] <sub>D</sub> <sup>25</sup> = -14.9° (C=1 in 0.1N HCl)
<b>Infrared Spectrum</b>	Conforms to structure
<b>D-Enantiomer</b>	0.1%
<b>Purity by HPLC</b>	99.94%
<b>Chiral Purity</b>	99.9% (ee)
<b>Storage</b>	Store at RT
<b>Additional Information</b>	UV in Acetonitrile/Water (1:1) $\lambda_{\max}$ : 232.5 nm; $E_{\text{mol}}$ = 7991
<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