

# Chem-Impex International, Inc.

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## Certificate of Analysis

<b>Catalogue Number</b>	15596
<b>Lot Number</b>	BF(4CN)20061105
<b>Product</b>	<b>(S)-3-Amino-3-(4-cyanophenyl)propionic acid</b>  L-β-Phe(4-CN)-OH  (S)-4-Cyano-β-phenylalanine
<b>CAS Number</b>	718596-77-1
<b>Molecular Formula</b>	C <sub>10</sub> H <sub>10</sub> N <sub>2</sub> O <sub>2</sub>
<b>Molecular Weight</b>	190.2

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<b>Appearance</b>	White powder
<b>Optical Rotation</b>	[α] <sub>D</sub> <sup>25</sup> = +3° (C=0.15 in H <sub>2</sub> O)
<b><sup>13</sup>C NMR</b>	Conforms to structure
<b><sup>1</sup>H NMR</b>	Conforms to structure
<b>Purity by HPLC</b>	99.24%
<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