

# Chem-Impex International, Inc.

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## Certificate of Analysis

<b>Catalogue Number</b>	15209
<b>Lot Number</b>	(R)BBF(4CL)20100428
<b>Product</b>	<b>(R)-3-Amino-3-(4-chlorophenyl)propionic acid</b>  D- $\beta$ -Phe(4-Cl)-OH  (R)-4-Chloro- $\beta$ -phenylalanine
<b>CAS Number</b>	131690-61-4
<b>Molecular Formula</b>	C <sub>9</sub> H <sub>10</sub> ClNO <sub>2</sub>
<b>Molecular Weight</b>	199.64

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<b>Appearance</b>	White powder
<b>Optical Rotation</b>	$[\alpha]_D^{25} = -6.2^\circ$ (C=1 in 1N HCl)
<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>	99.238%
<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