

# *Chem-Impex International, Inc.*

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## *Product Specifications*

<b>Catalogue Number</b>	03321
<b>Product</b>	<b>4-Chloro-DL-phenylalanine</b> DL-Phe(4-Cl)-OH <i>p</i> -Chloro-DL-phenylalanine
<b>CAS Number</b>	7424-00-2
<b>Molecular Formula</b>	C <sub>9</sub> H <sub>10</sub> ClNO <sub>2</sub>
<b>Molecular Weight</b>	199.6

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<b>Appearance</b>	White to off-white powder
<b>Solubility</b>	Clear solution 0.3 g in 2 mL 1N NaOH
<b>Melting Point</b>	> 231 °C
<b>Elemental Analysis (Theory)</b>	C, H and N : ≤ 5%
<b>Infrared Spectrum</b>	Conforms to structure
<b>Analysis by Mass Spectra</b>	Conforms to standard
<b>Loss on Drying</b>	≤ 2% (80 °C at 2 h)
<b><sup>1</sup>H NMR</b>	Conform to structure
<b>Purity by HPLC</b>	≥ 98%
<b>Storage</b>	Store at 0 - 8 °C

**For Laboratory Use Only**