

# Chem-Impex International, Inc.

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Tel: (630) 766-2112

E-mail: sales@chemimpex.com

Shipping and Correspondence:

935 Dillon Drive

Wood Dale, IL 60191

Fax: (630) 766-2218

Web site: www.chemimpex.com

Manufacturing site:

825 Dillon Drive

Wood Dale, IL 60191

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## Certificate of Analysis

<b>Catalogue Number</b>	07031
<b>Product</b>	<b>4-<i>tert</i>-Butyloxycarbonyl-L-phenylalanine</b>
<b>Lot Number</b>	000127-1040473 L-Phe(4-CO <sub>2</sub> tBu)-OH  <i>p</i> -(Carboxy- <i>tert</i> -butyl)-L-phenylalanine
<b>CAS Number</b>	218962-77-7
<b>Molecular Formula</b>	C <sub>14</sub> H <sub>19</sub> NO <sub>4</sub>
<b>Molecular Weight</b>	265.46

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<b>Appearance</b>	White powder
<b>Solubility</b>	Clear colorless solution (50 mg/mL in AcOH 80%)
<b>Water Content (Karl Fisher)</b>	4.9%
<b>TLC System</b>	Chloroform/Methanol/Acetic acid 32% (5:3:1) Chloroform/Methanol/Acetic acid/Water (70:42:0.5:10) Chloroform/Methanol/Acetic acid/Water (45:13:1:2) Plate: Silicagel 60 F <sub>254</sub> Detected by: UV, ninhydrin, Chlorine-Tolidine
<b>Assay by titration</b>	92.9% (HClO <sub>4</sub> )
<b>Purity by TLC</b>	> 98%
<b>Storage</b>	Store at ≤ -15 °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