

# Chem-Impex International, Inc.

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## Certificate of Analysis

<b>Catalogue Number</b>	05325
<b>Product</b>	<b>Boc-L-valine 4-nitrophenyl ester</b>
<b>Lot Number</b>	000127-1018934 Boc-L-Val-ONp
<b>CAS Number</b>	16948-40-6
<b>Molecular Formula</b>	C <sub>16</sub> H <sub>22</sub> N <sub>2</sub> O <sub>6</sub>
<b>Molecular Weight</b>	338.4
<b>Appearance</b>	Off-white powder
<b>Solubility</b>	Clear and colorless solution (50 mg/mL in dioxane)
<b>Melting Point</b>	67 °C
<b>TLC System</b>	Chloroform/Hexane (2:8) Chloroform/Ethylacetate (9:1) Chloroform/Methanol/Acetic Acid (90:8:2) Plate: Silica gel 60 F <sub>254</sub> Detected by: UV, ninhydrin, chlorine-tolidine
<b>Optical Rotation</b>	[α] <sub>578</sub> <sup>24</sup> = -38.5° (C=1 in Dioxane)
<b>Purity by TLC</b>	> 98%
<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