

# Chem-Impex International, Inc.

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**Manufacturing site:**

825 Dillon Drive

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## Certificate of Analysis

<b>Catalogue Number</b>	16813
<b>Product</b>	<b>Boc-L-2,4-dinitrophenylalanine</b>

<b>Lot Number</b>	000705-290715
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<b>CAS Number</b>	1176509-56-0
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<b>Molecular Formula</b>	C <sub>14</sub> H <sub>17</sub> N <sub>3</sub> O <sub>8</sub>
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<b>Molecular Weight</b>	355.3
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<b>Appearance</b>	White powder
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<b>TLC System</b>	CHCl <sub>3</sub> /CH <sub>3</sub> OH/CH <sub>3</sub> COOH 90/8/2 Single spot CHCl <sub>3</sub> /CH <sub>3</sub> OH/C <sub>6</sub> H <sub>6</sub> /H <sub>2</sub> O 8/8/8/1 Single spot visualized with: UV/Iodine
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<b>Optical Rotation</b>	[α] <sub>D</sub> <sup>25</sup> = + 24.52 ° (C=1, in MeOH)
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<b><sup>1</sup>H NMR</b>	Conforms to structure
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<b>LCMS</b>	Conforms to structure
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<b>Purity by HPLC</b>	99.8% (210 nm)
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<b>Storage</b>	Store at 0-8°C
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<b>Remarks</b>	See material safety data sheet for additional information For laboratory use only
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The foregoing is a copy of the Certificate of Analysis as provided by our supplier



**Bala Kumar**  
**Quality Control Manager**