

# Chem-Impex International, Inc.

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## Certificate of Analysis

**Catalogue Number** 05013  
**Lot Number** 000424-121204-21402  
**Product** **Boc-4-nitro-D-phenylalanine**

Boc-D-Phe(4-NO<sub>2</sub>)-OH

Boc-*p*-nitro-D-Phe-OH

**CAS Number** 61280-75-9

**Molecular Formula** C<sub>14</sub>H<sub>18</sub>N<sub>2</sub>O<sub>6</sub>

**Molecular Weight** 310.3

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**Appearance** White to off-white powder  
**Solubility** Clear solution (0.3 g in 2 mL MeOH)  
**Melting Point** 107.6-109.0 °C  
**Water Content (Karl Fisher)** 0.05%  
**Optical Rotation** [α]<sub>D</sub><sup>20</sup> = -8.2° (C=1% in MeOH)  
**Infrared Spectrum** Conforms to structure  
**Analysis by Mass Spectra** Conforms to standard  
**Loss on Drying** 0.13%  
**<sup>1</sup>H NMR** Conforms to structure  
**Purity by HPLC** 99.48%  
**Storage** Store at 0-8 °C

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**Remarks**

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**