

# **Chem-Impex International, Inc.**

Tel: (630) 766-2112

E-mail: [sales@chemimpex.com](mailto:sales@chemimpex.com)

Shipping and Correspondence:

935 Dillon Drive  
Wood Dale, IL 60191

Fax: (630) 766-2218

Web site: [www.chemimpex.com](http://www.chemimpex.com)

Manufacturing site:

825 Dillon Drive  
Wood Dale, IL 60191

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## Certificate of Analysis

|                          |   |
|--------------------------|---|
| <b>Catalog Number</b>    | 04137   |
| <b>Product Name</b>      | <b>Boc-D-Phe(2-F)-OH</b>  |
| <b>Lot Number</b>        | 04137-111405-1  |
| <b>Molecular Formula</b> | C <sub>14</sub> H <sub>18</sub> FNO <sub>4</sub>  |
| <b>Molecular Weight</b>  | 283.2   |
| <b>Appearance</b>        | White powder  |
| <b>Melting Point</b>     | 89-91 °C  |
| <b>Optical Rotation</b>  | $\alpha_D^{20} = -13.81^\circ$ (C=1.0, EtOAc)   |
| <b>Purity (HPLC)</b>     | 99%   |
| <b>Storage</b>           | Store at -0°C.  |
| <b>Remarks</b>           | See material safety data sheets for additional information.<br>For laboratory use only. |

The foregoing is a copy of the Certificate of Analysis as provided by our supplier



**Sashi Kumar**  
Quality Control Manager

## HPLC Conditions

|  |  |
|--|--|
| <b>Column</b>                              | Beckman Ultrasphere 5 $\mu$ m, 250x4.6 mm, 150 Å |
| <b>Guard Column</b>                        | Supel Guard LC-18-DB, 2 cm                       |
| <b>Retention Time, min</b>                 | 8.81   |
| <b>Sample preparation</b>                  | 2 mg/1 mL 100% Acetonitrile/Water                |
| <b>Injection volume, <math>\mu</math>l</b> | 5  |
| <b>Method /Detection at, nm</b>            | <b>Gradient</b>                                  |
|  | 30-80% B   |
|  | A = 99.9% Water, 0.1% TFA                        |
|  | B = 95% Acetonitrile, 4.9% Water, 0.1% TFA       |
|  | 30 min, flow rate = 1.0 mL / min                 |

**Boc / 210**