

# Chem-Impex International, Inc.

---

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

---

## Certificate of Analysis

**Catalogue Number** 06181  
**Product** **Phe-Phe-OH**

**Lot Number** 111031-13309

**CAS Number** 2577-40-4

**Molecular Formula** C<sub>18</sub>H<sub>20</sub>N<sub>2</sub>O<sub>3</sub>

**Molecular Weight** 312.37

---

**Appearance** White powder

**Solubility** Clear Solution (0.3g/2ml AcOH)

**Optical Rotation** [α]<sub>D</sub><sup>20</sup> = +41.1° (C=2 in AcOH)

**Infrared Spectrum** Conforms to structure

**<sup>13</sup>C NMR** Conforms to structure

**<sup>1</sup>H NMR** Conforms to structure

**Purity by HPLC** 98.05%

**Storage** Store at 2-8 °C

**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