

# 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** 12312  
**Lot Number** 12312-032306-1  
**Product** **Z-L-Phenylalanine *tert*-butyl ester**

Z-L-Phe-OtBu

**CAS Number** 7670-20-4  
**Molecular Formula** C<sub>21</sub>H<sub>25</sub>NO<sub>4</sub>

**Molecular Weight** 355.4

---

**Melting Point** 77-79 °C  
**Optical Rotation** [α]<sub>D</sub> = -5.58° (C=1 in EtOH)

**Purity** 98%  
**Storage** Store at 0-8°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**