

# 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** 03082  
**Lot Number** 000127-1057861  
**Product** ***N*<sup>α</sup>-Benzoyl-L-histidine methyl ester**

Bz-L-His-OMe

**CAS Number** 3005-62-7  
**Molecular Formula** C<sub>14</sub>H<sub>15</sub>N<sub>3</sub>O<sub>3</sub>

**Molecular Weight** 273.3

---

**Appearance** White powder  
**Appearance of Solution** Clear, colorless solution (50 mg/mL in MeOH)  
**Melting Point** 160 °C  
**Water Content (Karl Fisher)** 1.1%  
**TLC System** n-Butanol/Acetic acid/H<sub>2</sub>O (4:2:2)  
Ethylacetate/Pyridine/Acetic Acid/H<sub>2</sub>O (60:30:9:16.5)  
Chloroform/MeOH/Acetic Acid 32% (5:3:1)  
Plate: silicagel 60 F<sub>254</sub>  
Detected by: UV, ninhydrin, chlorine-tolidine  
**Optical Rotation** [α]<sub>D</sub><sup>24</sup> = -30.2° (C=1 in MeOH)  
**Purity** 99.4% (Nth 15.38%, Nfd 15.29%)  
**Purity by TLC** > 99%  
**Storage** Store at 0-8 °C

# *Certificate of Analysis*

Catalog Number: 03082

Lot Number: 000127-1057861

---

**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**