

# Chem-Impex International, Inc.

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**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

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## Certificate of Analysis

**Catalogue Number** 02227  
**Lot Number** 000127-1015081  
**Product** **Z-L-phenylalanine-chloromethylketone**

Z-L-Phe-CMK

ZPCK

**CAS Number** 26049-94-5

**Molecular Formula** C<sub>18</sub>H<sub>18</sub>ClNO<sub>3</sub>

**Molecular Weight** 331.8

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**Appearance** White powder

**Solubility** Clear colorless solution (50mg/ml in CHCl<sub>3</sub>/MeOH 1:1)

**Melting Point** 108 °C

**Elemental Analysis (Theory)** C = 65.16%; H = 5.47%; N = 4.22%

**Elemental Analysis (Found)** C = 65.38%; H = 5.47%; N = 4.20%

**TLC System** Ethyl acetate/Hexane (4:5)  
Chloroform/Ethyl acetate (9:1)  
plate: silicagel 60 F254  
detected by: UV, ninhydrin, TMB

**Optical Rotation** [α]<sub>D</sub><sup>24</sup> = -50.5° (C=1 in MeOH)

**Purity** 100.3% Elemental analysis (Cth 65.16%, Cfd 65.38%)

**Purity by TLC** > 98% (Conforms with authentic material)

**Storage** Store at 2-8 °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**