

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	10099
Product	Tosyl-L-Phenylalanine chloromethylketone
Lot Number	000127-0570598 Tos-L-Phe-CMK TPCK
CAS Number	402-71-1
Molecular Formula	C ₁₇ H ₁₈ ClNO ₃ S
Molecular Weight	351.85

Appearance	White powder
Solubility	Clear, colorless solution (50 mg/mL in MeOH)
Melting Point	108 °C
Elemental Analysis (Found)	C : 58.1%, H : 5.2%, N : 4.1%
TLC System	Chloroform/Methanol/Toluene/Water 8/8/8/1 Chloroform/Ethyl acetate/Acetic acid 50/50/2 Chloroform/Methanol/Acetic acid 90/8/2 Plate : Silica gel 60 F ₂₅₄ Detected by : UV, ninhydrin, chlorine-tolidine
Optical Rotation	[α] _D ²⁴ = -86.1° (C=1 in EtOH abs.)
Assay	100.2% (Elemental analysis Cfd: 58.14%)
Purity by TLC	> 98%
Storage	Store at 0 - 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