



INDOFINE Chemical Company, Inc.

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Certificate of Analysis

Catalogue Number	04-1048
Lot Number	110914-20407
Product	4-Chloro-DL-phenylalanine methyl ester hydrochloride DL-Phe(4-Cl)-OMe•HCl <i>p</i> -Chloro-DL-Phe-OMe•HCl
CAS Number	14173-40-1
Molecular Formula	C ₁₀ H ₁₂ ClNO ₂ •HCl
Molecular Weight	250.1

Appearance	White powder
Solubility	Clear solution (0.3 g in 2 mL MeOH)
Melting Point	179.1-179.4 °C
Water Content (Karl Fisher)	0.06%
Infrared Spectrum	Conforms to structure
Analysis by Mass Spectra	Conforms to standard
Loss on Drying	0.03% (70 °C, 2h)
¹ H NMR	Conforms to structure
Purity by HPLC	99.9%
Storage	Store at 0-8°C

Prepared by:

Ramesh Mandadi

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Director of Operations

Reviewed and approved by:

Sujata Moton

S. Moton

VP