

Chem-Impex International, Inc.

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Certificate of Analysis

Catalogue Number	06174
Product	4-Nitro-L-phenylalanine methyl ester hydrochloride
Lot Number	000424-130620-20805 L-Phe(4-NO ₂)-OMe•HCl <i>p</i> -Nitro-L-Phe-OMe•HCl
CAS Number	17193-40-7
Molecular Formula	C ₁₀ H ₁₂ N ₂ O ₄ •HCl
Molecular Weight	260.68

Appearance	White to off-white powder
Solubility	Clear solution (0.1 g in 4 mL H ₂ O)
Melting Point	208.9-209.0 °C
Water Content (Karl Fisher)	0.304%
Optical Rotation	[α] _D ²⁰ = +9.2° (C=2% in H ₂ O),
Infrared Spectrum	Conforms to structure
Analysis by Mass Spectra	Conforms to standard
Loss on Drying	0.24%
¹H NMR	Conforms to structure
Purity by HPLC	99.22%
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

A handwritten signature in black ink, appearing to read 'Bala Kumar', with a stylized flourish at the end.

Bala Kumar
Quality Control Manager