

Chem-Impex International, Inc.

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Certificate of Analysis

Catalogue Number	04112
Lot Number	000424-160825-20610
Product	Boc-4-cyano-L-phenylalanine Boc-L-Phe(4-CN)-OH Boc- <i>p</i> -cyano-L-Phe-OH
CAS Number	131724-45-3
Molecular Formula	C ₁₅ H ₁₈ N ₂ O ₄
Molecular Weight	290.3

Appearance	White powder
Solubility	Clear solution (0.3 g in 2 ml DMF)
Melting Point	147.1 - 150.4 °C
Water Content (Karl Fisher)	0.48%
Optical Rotation	[α] _{D20} = -30.7 °(C=1 in DMF)
Infrared Spectrum	Conforms to structure
Analysis by Mass Spectra	Conforms to standard
Loss on Drying	0.34% (70 °C, 2h)
¹H NMR	Conforms to structure
Purity by HPLC	99.79%
Storage	Store at 0-8 °C

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