

Chem-Impex International, Inc.

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Certificate of Analysis

Catalogue Number	04106
Lot Number	000424-181224-23733
Product	Boc-3-cyano-L-phenylalanine Boc-L-Phe(3-CN)-OH
CAS Number	131980-30-8
Molecular Formula	C ₁₅ H ₁₈ N ₂ O ₄
Molecular Weight	290.3

Appearance	White powder
Solubility	Clear solution (0.1 g in 2 mL MeOH)
Melting Point	123.4 - 124.2 °C
Water Content (Karl Fisher)	0.053%
Optical Rotation	$[\alpha]_D^{20} = 13.8^\circ$ (C=1% in MeOH)
Infrared Spectrum	Conforms to structure
Analysis by Mass Spectra	Conforms to standard
Loss on Drying	0.15% (50 °C, 2h)
¹H NMR	Conforms to structure
Chiral HPLC	100% (ee)
D-Enantiomer	Not detected
Purity by HPLC	99.85%
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