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Certificate of Analysis

Catalogue Number	04101
Lot Number	000424-171201-20413
Product	Boc-3-chloro-D-phenylalanine

Boc-D-Phe(3-Cl)-OH

CAS Number	80102-25-6
Molecular Formula	C ₁₄ H ₁₈ ClNO ₄

Molecular Weight	299.8
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Appearance	White powder
Solubility	Clear solution (0.3 g in 2 ml DMF)
Melting Point	106.0-106.8 °C
Water Content (Karl Fisher)	0.046%
Optical Rotation	[α] _D ²⁰ = +22.0° (C=1 in DMF)
Infrared Spectrum	Conforms to structure
Analysis by Mass Spectra	Conforms to standard
Loss on Drying	0.05% (45 °C, 2h)
¹H NMR	Conforms to structure
Purity by HPLC	99.78%
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