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Certificate of Analysis

Catalogue Number	00775
Lot Number	000424-130716-31301
Product	Boc-L-phenylalanine Boc-L-Phe-OH (<i>S</i>)-2- <i>tert</i> -Butoxycarbonylamino-3-phenylpropionic acid
CAS Number	13734-34-4
Molecular Formula	C ₁₄ H ₁₉ NO ₄
Molecular Weight	265.31

Appearance	White powder
Solubility	Clear solution (0.3 g in 2 ml DMF)
Melting Point	85.2-86.8 °C
Water Content (Karl Fisher)	0.119%
Optical Rotation	[α] _D ²⁰ = +24.8° (C=1 in EtOH)
Infrared Spectrum	Conforms to structure
Analysis by Mass Spectra	Conforms to standard
Loss on Drying	0.11% (35 °C, 2 hr)
¹H NMR	Conforms to structure
D-Enantiomer	Not detectable
Purity by HPLC	99.88%
Purity by TLC	> 98%
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