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Certificate of Analysis

Catalogue Number 05507
Lot Number 000424-150120-31109
Product ***N*^α-Boc-D-lysine**

Boc-D-Lys-OH

CAS Number 106719-44-2
Molecular Formula C₁₁H₂₂N₂O₄

Molecular Weight 246.3

Appearance White powder
Solubility Clear solution (0.3 g in 2 mL H₂O)
Melting Point 196.3-196.7 °C
Water Content (Karl Fisher) 0.245%
Optical Rotation [α]_D²⁰ = -22.8° (C=2 in MeOH)
Infrared Spectrum Conforms to structure
Analysis by Mass Spectra Conforms to standard
Loss on Drying 0.34% (90 °C for 2 hours)
¹H NMR Conforms to structure
Purity by HPLC 99.10%
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