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Certificate of Analysis

Catalogue Number 04162
Lot Number 000424-160701-31117
Product ***N*^α-Boc-*N*^ε-acetyl-L-lysine**

Boc-L-Lys(Ac)-OH

CAS Number 6404-26-8
Molecular Formula C₁₃H₂₄N₂O₅

Molecular Weight 288.34

Appearance White to off-white powder
Solubility Clear solution (0.3 g in 2mL DMF)
Melting Point 138.3-139.5 °C
Water Content (Karl Fisher) 0.192%
Optical Rotation [α]_D²⁰ = -7.7° (C=2 in AcOH)
Infrared Spectrum Conforms to structure
Analysis by Mass Spectra Conforms to standard
Loss on Drying 0.24% (60 °C, 2h)
¹H NMR Conforms to structure
Purity by HPLC 99.70%
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