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Certificate of Analysis

Catalogue Number 02621
Lot Number 000424-161208-13097
Product ***N*^α-Acetyl-L-lysine**

Ac-L-Lys-OH

CAS Number 1946-82-3
Molecular Formula C₈H₁₆N₂O₃

Molecular Weight 188.2

Appearance White powder
Solubility Clear solution (0.3 g in 2ml water)
Melting Point 237.8 - 239.0 °C
Water Content (Karl Fisher) 0.68%
Optical Rotation [α]_D²⁰ = + 6.15° (C=3 in water)
Infrared Spectrum Conforms to structure
Analysis by Mass Spectra Conforms to standard
Loss on Drying 0.12% (105°C, 2h)
¹H NMR Conforms to structure
Purity by HPLC 99.70%
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