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Certificate of Analysis

Catalogue Number 02204
Lot Number 000424-140703-11801
Product ***N*^α-Z-L-lysine**

Z-L-Lys-OH

CAS Number 2212-75-1
Molecular Formula C₁₄H₂₀N₂O₄

Molecular Weight 280.3

Appearance White powder
Solubility Clear solution (0.3 g in 2 ml 1N HCl)
Melting Point 221.2-221.4 °C
Water Content (Karl Fisher) 0.195%
Optical Rotation [α]_D²⁰ = -12.8° (C=2 in 0.2N HCl)
Infrared Spectrum Conforms to structure
Analysis by Mass Spectra Conforms to standard
Loss on Drying 0.29% (80 °C, 2h)
¹H NMR Conforms to structure
D-Enantiomer Not detectable
Purity by HPLC 99.24%
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