



INDOFINE Chemical Company, Inc.

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Certificate of Analysis

Catalogue Number 04-2004
Lot Number 000424-190315-13442
Product ***N*^E-Acetyl-L-lysine**

L-Lys(Ac)-OH

CAS Number 692-04-6

Molecular Formula C₈H₁₆N₂O₃

Molecular Weight 188.2

Appearance White powder
Solubility Clear solution (0.3 g in 2 mL 5N HCl)
Melting Point 232.9 - 233.9 °C
TLC System 1-Butanol:Acetic Acid (1:2) One spot
Optical Rotation [α]_D²⁰ = +21.2° (C=2 in 5N HCl)
Infrared Spectrum Conforms to structure
Analysis by Mass Spectra Conforms to standard
Loss on Drying 0.24% (100 °C, 2h)
¹H NMR Conforms to structure
Purity by HPLC 99.67%
Storage Store at ≤ -4 °C

Prepared by:

Ramesh Mandadi

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Director of Operations

Reviewed and Approved by:

Sujata Moton

Sujata Moton

VP