



# INDOFINE Chemical Company, Inc.

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## *Certificate of Analysis*

Catalogue Number 04-062  
Lot Number 000424-150304-13097  
Product **N<sup>α</sup>-Acetyl-L-lysine**

Ac-L-Lys-OH

CAS Number 1946-82-3  
Molecular Formula C<sub>8</sub>H<sub>16</sub>N<sub>2</sub>O<sub>3</sub>

Molecular Weight 188.2

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Appearance	White powder
Solubility	Clear solution (0.3 g in 2 ml H <sub>2</sub> O)
Melting Point	241.7-243.1 °C
Water Content (Karl Fisher)	0.23%
Optical Rotation	[α] <sub>D</sub> <sup>20</sup> = +5.25° (C=3 in H <sub>2</sub> O)
Infrared Spectrum	Conforms to structure
Analysis by Mass Spectra	Conforms to standard
Loss on Drying	0.03% (105 °C, 2h)
<sup>1</sup> H NMR	Conforms to structure
Purity by HPLC	99.36%
Storage	Store at 0-8 °C