

# Chem-Impex International, Inc.

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**Tel:** (630) 766-2112

**E-mail:** sales@chemimpex.com

**Shipping and Correspondence:**

935 Dillon Drive

Wood Dale, IL 60191

**Fax:** (630) 766-2218

**Web site:** www.chemimpex.com

**Manufacturing site:**

825 Dillon Drive

Wood Dale, IL 60191

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## Certificate of Analysis

<b>Catalogue Number</b>	05364
<b>Product</b>	<b><i>N</i><sup>ε</sup>-Acetyl-L-lysine</b>
<b>Lot Number</b>	000424-210918-13442
	L-Lys(Ac)-OH
<b>CAS Number</b>	692-04-6
<b>Molecular Formula</b>	C <sub>8</sub> H <sub>16</sub> N <sub>2</sub> O <sub>3</sub>
<b>Molecular Weight</b>	188.2

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<b>Appearance</b>	White powder
<b>Solubility</b>	Clear solution (0.3 g in 2 mL 5N HCl)
<b>Melting Point</b>	222.6 - 230.1 °C
<b>TLC System</b>	1-Butanol : Acetic Acid (1:2)
<b>Optical Rotation</b>	[α] <sub>D</sub> <sup>20</sup> = 20.7 ° (C=2 in 5N HCl)
<b>Infrared Spectrum</b>	Conforms to structure
<b>Analysis by Mass Spectra</b>	Conforms to standard
<b>Loss on Drying</b>	0.8% (100 °C, 2h)
<b><sup>1</sup>H NMR</b>	Conforms to structure
<b>Purity by HPLC</b>	98.2%
<b>Purity by TLC</b>	One spot
<b>Storage</b>	Store at ≤ -4 °C
<b>Remarks</b>	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