

# Chem-Impex International, Inc.

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## Certificate of Analysis

<b>Catalogue Number</b>	01742
<b>Lot Number</b>	002436-161112
<b>Product</b>	<b>L-Lysine</b> L-Lys-OH (S)-2,6-Diaminohexanoic acid
<b>CAS Number</b>	56-87-1
<b>Molecular Formula</b>	C <sub>6</sub> H <sub>14</sub> N <sub>2</sub> O <sub>2</sub>
<b>Molecular Weight</b>	146.2

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<b>Appearance</b>	White crystalline powder
<b>Heavy Metals</b>	< 10 ppm (Pb)
<b>Anion</b>	Chloride (Cl <sup>-</sup> ): < 0.03%
<b>Cation</b>	Ammonium (NH <sub>4</sub> ): < 0.02% Iron (Fe): < 10 ppm Arsenic (As): < 1 ppm
<b>Optical Rotation</b>	[α] <sub>D</sub> <sup>20</sup> = +26.3° (C=8, 6M HCl)
<b>Loss on Drying</b>	2.21%
<b>Other Amino Acids</b>	Meets the requirements
<b>Residue On Ignition</b>	0.36%
<b>Assay by titration</b>	99.2%
<b>Storage</b>	Store at 0-8 °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