

# Chem-Impex International, Inc.

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## Certificate of Analysis

<b>Catalogue Number</b>	04359
<b>Lot Number</b>	000127-1000015944
<b>Product</b>	<b><i>N</i><sup>α</sup>-Acetyl-L-histidine methyl amide</b> Ac-L-His-NHMe
<b>CAS Number</b>	6367-11-9
<b>Molecular Formula</b>	C <sub>9</sub> H <sub>14</sub> N <sub>4</sub> O <sub>2</sub>
<b>Molecular Weight</b>	210.24

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<b>Appearance</b>	White powder
<b>Solubility</b>	Clear, colorless solution (5% in Acetic acid 80%)
<b>Water Content (Karl Fisher)</b>	0.1%
<b>TLC System</b>	n-Butanol/Acetic acid/Water (4:2:2) Chloroform/Methanol/Acetic acid 32% (5:3:1) Isopropanol/Ammonia Concentrated (1:1) Plate: Silica gel 60 F <sub>254</sub> Detected by : UV, Ninhydrin, TMB
<b>Assay</b>	99.8% (Nfd : 26.59% Elemental analysis)
<b>D-Enantiomer</b>	< 0.1%
<b>Purity by TLC</b>	> 99%
<b>Chiral Purity</b>	> 99.9% (ee)
<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