

# Chem-Impex International, Inc.

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## Certificate of Analysis

<b>Catalogue Number</b>	32662
<b>Lot Number</b>	000127-1000000566
<b>Product</b>	<b>H-Arg-Ala-OH acetate salt</b>
<b>CAS Number</b>	40968-45-4 (net)
<b>Molecular Formula</b>	C <sub>9</sub> H <sub>19</sub> N <sub>5</sub> O <sub>3</sub> •C <sub>2</sub> H <sub>4</sub> O <sub>2</sub>
<b>Molecular Weight</b>	305.33

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<b>Appearance</b>	Off-white powder
<b>Solubility</b>	Clear, colorless solution (50 mg/mL in methanol 50%)
<b>TLC System</b>	Methanol/chloroform/ammonia 17% : 2/2/1 n-Butanol/acetic acid/water : 4/2/2 Ethylacetate/pyridine/acetic acid/water : 60/60/12/36 Plate : silica gel 60 F <sub>254</sub> Detected by : UV, ninhydrin, chlorine-tolidine
<b>Assay</b>	79.5% (Nfd 22.7% Elemental analysis)
<b>Purity by TLC</b>	> 98%
<b>Storage</b>	Store at 2 - 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