

# Chem-Impex International, Inc.

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## Certificate of Analysis

<b>Catalogue Number</b>	04335
<b>Lot Number</b>	000424-121206-13094
<b>Product</b>	<b><i>N</i><sup>α</sup>-Acetyl-L-arginine dihydrate</b> Ac-L-Arg-OH•2H <sub>2</sub> O
<b>CAS Number</b>	210545-23-6
<b>Molecular Formula</b>	C <sub>8</sub> H <sub>16</sub> N <sub>4</sub> O <sub>3</sub> •2H <sub>2</sub> O
<b>Molecular Weight</b>	252.27

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<b>Appearance</b>	White crystalline powder
<b>Solubility</b>	Clear solution (0.3 g in 2 mL 6N HCl)
<b>Melting Point</b>	259.9-260.1 °C
<b>Water Content (Karl Fisher)</b>	14.16%
<b>Optical Rotation</b>	[α] <sub>D</sub> <sup>20</sup> = +10.85° (C=2 in H <sub>2</sub> O)
<b>Infrared Spectrum</b>	Conforms to standard
<b>Analysis by Mass Spectra</b>	Conforms to standard
<b>Loss on Drying</b>	0.46% (80°C, 2h)
<b><sup>1</sup>H NMR</b>	Conforms to standard
<b>Purity by HPLC</b>	99.98%
<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