

# Chem-Impex International, Inc.

---

**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

---

## Certificate of Analysis

<b>Catalogue Number</b>	03989
<b>Lot Number</b>	000424-141102-21200
<b>Product</b>	<b>L-Homoarginine</b>  L-HomoArg-OH  (S)-2-Amino-6-guanidinohexanoic acid
<b>CAS Number</b>	156-86-5
<b>Molecular Formula</b>	C <sub>7</sub> H <sub>16</sub> N <sub>4</sub> O <sub>2</sub>
<b>Molecular Weight</b>	188.2

---

<b>Appearance</b>	White to off-white powder
<b>Solubility</b>	Clear solution (0.3 g in 2 mL Water)
<b>Melting Point</b>	127-127.7 °C
<b>Optical Rotation</b>	[α] <sub>D</sub> <sup>20</sup> = +14° (C=2 in 1N HCl)
<b>Infrared Spectrum</b>	Conforms to structure
<b>Analysis by Mass Spectra</b>	Conforms to standard
<b>Loss on Drying</b>	0.87% (60 °C, 2h)
<b><sup>1</sup>H NMR</b>	Conforms to structure
<b>Assay</b>	104.832%
<b>D-Enantiomer</b>	0.2208%
<b>Storage</b>	Store at 0-8 °C

# *Certificate of Analysis*

Catalog Number: 03989

Lot Number: 000424-141102-21200

---

**Remarks**

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**