

# 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

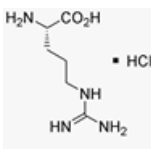
**Web site:** www.chemimpex.com

**Manufacturing site:**

825 Dillon Drive

Wood Dale, IL 60191

---



## Product Specifications

<b>Catalogue Number</b>	00331
<b>Product</b>	<b>L-Arginine hydrochloride</b> L-Arg-OH•HCl (S)-2-Amino-5-guanidinopentanoic acid hydrochloride
<b>CAS Number</b>	1119-34-2
<b>Molecular Formula</b>	C <sub>6</sub> H <sub>14</sub> N <sub>4</sub> O <sub>2</sub> •HCl
<b>Molecular Weight</b>	210.66

---

<b>Appearance</b>	White crystalline powder
<b>Heavy Metals</b>	≤ 20 ppm
<b>Anion</b>	Chloride (Cl <sup>-</sup> ) : 16.5 - 17.1% Sulfate (SO <sub>4</sub> <sup>2-</sup> ) : ≤ 0.03%
<b>Optical Rotation</b>	[α] <sub>D</sub> <sup>20</sup> = 21.4 - 23.6 ° (C=80 mg/mL in HCL)
<b>Infrared Spectrum</b>	Conforms to structure
<b>Loss on Drying</b>	≤ 0.2% (105 °C, 2h)
<b>Related Substances</b>	Individual impurity : ≤ 0.5% Total impurities : ≤ 2%
<b>Residue On Ignition</b>	≤ 0.1%
<b>Assay by titration</b>	98.5 - 101.5%
<b>Grade</b>	Meets USP specification
<b>Storage</b>	Store at RT

**For Laboratory Use Only**