

# Chem-Impex International, Inc.

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**Tel:** (630) 766-2112

**E-mail:** sales@chemimpex.com

**Shipping and Correspondence:**

935 Dillon Drive

Wood Dale, IL 60191

**Fax:** (630) 766-2218

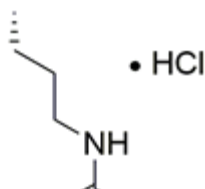
**Web site:** www.chemimpex.com

**Manufacturing site:**

825 Dillon Drive

Wood Dale, IL 60191

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## Product Specifications

<b>Catalogue Number</b>	36920
<b>Product</b>	<b>L-Arginine monohydrochloride, non-animal</b> (S)-2-Amino-5-guanidinopentanoic acid hydrochloride L-Arg-OH•HCl
<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

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<b>Appearance</b>	White crystalline powder
<b>Heavy Metals</b>	≤ 10 ppm (as Pb)
<b>Anion</b>	Chloride (Cl) : 16.58 - 17.00% Sulfate (SO <sub>4</sub> ) : ≤ 0.020%
<b>Cation</b>	Ammonium (NH <sub>4</sub> ) : ≤ 0.02% Iron (Fe) : ≤ 10 ppm Arsenic : ≤ 1 ppm
<b>pH</b>	4.7 - 6.2
<b>Mould and Yeast</b>	Mold : ≤ 10 cfu/g
<b>Optical Rotation</b>	[α] <sup>20</sup> <sub>D</sub> = 22.1 - 22.9 °
<b>Transmission</b>	State of solution : ≥ 98%, Clear and colorless solution
<b>Loss on Drying</b>	≤ 0.20%
<b>E. Coli</b>	Negative
<b>Endotoxin Test</b>	≤ 6.0 EU/g
<b>Microbial Count</b>	≤ 100 cfu/g
<b>Related Substances</b>	To pass test
<b>Residue On Ignition</b>	≤ 0.10%
<b>Assay</b>	98.5 - 101.0%
<b>Grade</b>	USP, EP, JP
<b>Storage</b>	Store at RT
<b>Additional Information</b>	Identification : To pass test

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**For Laboratory Use Only**