

# **Chem-Impex International, Inc.**

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## **Certificate of Analysis**

<b>Catalog Number</b>	00330
<b>Product Name</b>	D-Arginine hydrochloride
<b>Lot Number</b>	202071
<b>CAS Registry Number</b>	627-75-8
<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>Assay</b>	99.4%
<b>Solubility in Water</b>	Colorless & clear (c=5)
<b>Specific Rotation (<math>\alpha^{20}_D</math>)</b>	-22.6° (c=8, 6N-HCl)
<b>Loss on Drying</b>	0.10%
<b>Residue on Ignition (as sulfate)</b>	0.03%
<b>Sulfate (SO<sub>4</sub>)</b>	<0.01%
<b>Heavy Metals (as Pb)</b>	<0.0015%
<b>Iron (Fe)</b>	<0.0015%
<b>Ammonium (NH<sub>4</sub>)</b>	<0.02%
<b>Arsenic (As)</b>	<0.0001%
<b>Other Amino Acids</b>	Not detected by T.L.C. (the spotted amount, 20µg)
<b>Remarks</b>	See material safety data sheets for additional information. For laboratory use only.

**The foregoing is a copy of the Certificate of Analysis as provided by our supplier**



**Sashi Kumar**  
**Quality Control Manager**