

# *Chem-Impex International, Inc.*

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## *Product Specifications*

<b>Catalogue Number</b>	00428
<b>Product</b>	<b>D-Arginine</b>
	D-Arg-OH
	(R)-2-Amino-5-guanidinopentanoic acid
<b>CAS Number</b>	157-06-2
<b>Molecular Formula</b>	C <sub>6</sub> H <sub>14</sub> N <sub>4</sub> O <sub>2</sub>
<b>Molecular Weight</b>	174.2
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<b>Appearance</b>	White powder
<b>Solubility</b>	Clear, colorless solution (C = 5 in Water)
<b>Heavy Metals</b>	≤ 10 ppm (as Pb)
<b>Arsenic (As<sub>2</sub>O<sub>2</sub>)</b>	< 0.0001%
<b>Anion</b>	Chloride : ≤ 0.05% Sulfate : ≤ 0.03%
<b>Cation</b>	Iron : ≤ 10 ppm Ammonium salt : ≤ 0.02% Arsenic : ≤ 1.0 ppm
<b>Optical Rotation</b>	[α] <sub>D</sub> <sup>20</sup> = -27 ± 0.5 ° (C=8 in 6N HCl)
<b>Loss on Drying</b>	≤ 0.1%
<b>Other Amino Acids</b>	Not detected by TLC (the spotted amount 50 ug)
<b>Sulfated Ash</b>	≤ 0.03%
<b>Assay</b>	99 - 100%
<b>Storage</b>	Store at RT

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**For Laboratory Use Only**