

# *Chem-Impex International, Inc.*

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## *Product Specifications*

<b>Catalogue Number</b>	00236
<b>Product</b>	<b>L-Ornithine hydrochloride</b> L-Orn-OH•HCl (S)-2,5-Diaminopentanoic acid hydrochloride
<b>CAS Number</b>	3184-13-2
<b>Molecular Formula</b>	C <sub>5</sub> H <sub>12</sub> N <sub>2</sub> O <sub>2</sub> •HCl
<b>Molecular Weight</b>	168.6

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<b>Appearance</b>	White to off-white crystalline powder
<b>Heavy Metals</b>	≤ 10 ppm (Pb)
<b>Anion</b>	Sulfate (SO <sub>4</sub> <sup>2-</sup> ) : ≤ 0.020%
<b>Cation</b>	Ammonium (NH <sub>4</sub> <sup>+</sup> ) : ≤ 0.020% Iron (Fe) : ≤ 10 ppm Arsenic (As <sub>2</sub> O <sub>3</sub> ) : ≤ 1 ppm
<b>pH</b>	5 - 6
<b>Optical Rotation</b>	[α] <sub>D</sub> <sup>20</sup> = 23 - 25 °
<b>Loss on Drying</b>	≤ 0.2%
<b>Other Amino Acids</b>	Not detected
<b>Residue On Ignition</b>	≤ 0.1%
<b>Assay (anhydrous basis)</b>	99 - 101%
<b>Storage</b>	Store at RT
<b>Additional Information</b>	State of solution (Transmittance) : ≥ 99%

**For Laboratory Use Only**