

Chem-Impex International, Inc.

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Certificate of Analysis

| | |
|--------------------------|--|
| Catalogue Number | 00236 |
| Product | L-Ornithine hydrochloride |
| Lot Number | 001192-151027 L-Orn-OH•HCl (S)-2,5-Diaminopentanoic acid hydrochloride |
| CAS Number | 3184-13-2 |
| Molecular Formula | C ₅ H ₁₂ N ₂ O ₂ •HCl |
| Molecular Weight | 168.6 |

| | |
|--------------------------------|---|
| Appearance | White to off-white crystalline powder |
| Heavy Metals | < 10 ppm |
| Anion | Sulfate (SO ₄ ²⁻): < 0.020% |
| Cation | Ammonium (NH ₄ ⁺): < 0.020% Iron (Fe): < 10 ppm Arsenic (As ₂ O ₃): < 1 ppm |
| pH | 5.1 |
| Optical Rotation | [α] _D ²⁰ = +23.5° |
| Loss on Drying | 0.15% |
| Other Amino Acids | Not detected |
| Residue On Ignition | 0.03% |
| Assay (anhydrous basis) | 99.20% |
| Storage | Store at RT |
| Additional Information | State of solution (Transmittance): 99.3% |

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Remarks

See material safety data sheet for additional information

For laboratory use only

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



Bala Kumar
Quality Control Manager