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Product Specifications

Catalogue Number	00237
Product	D-Ornithine hydrochloride D-Orn-OH•HCl (<i>R</i>)-2,5-diaminopentanoic acid monohydrochloride
CAS Number	16682-12-5
Molecular Formula	C ₅ H ₁₂ N ₂ O ₂ •HCl
Molecular Weight	168.6
Solubility	Colorless & Clear (C = 5 in 6N HCl)
Heavy Metals	≤ 10 ppm (as Pb)
Trace Metal Analysis	Iron (Fe): ≤ 10 ppm
Arsenic (As₂O₂)	≤ 1 ppm
Anion	Sulfate (SO ₄ ²⁻): ≤ 0.03%
Cation	Ammonium salts (NH ₄ ⁺): ≤ 0.02%
Optical Rotation	[α] _D ²⁰ = -23 ± 2° (C=4 in 6N HCl)
Loss on Drying	≤ 0.1%
Other Amino Acids	Not detected by TLC (the spotted amount 20 ug)
Residue On Ignition	≤ 0.1% (as sulfate)
Assay	≥ 99%
L-Enantiomer	≤ 0.5%
Storage	Store at RT

For Laboratory Use Only