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Certificate of Analysis

Catalogue Number	00237
Lot Number	001050-0219
Product	D-Ornithine hydrochloride D-Orn-OH•HCl (R)-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 = -23.8° (C=4 in 6N HCl)
Loss on Drying	0.08%
Other Amino Acids	Not detected by TLC (the spotted amount 10 ug)
Residue On Ignition	0.01% (as sulfate)
Assay	100.4%
L-Enantiomer	< 0.5%
Storage	Store at RT

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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