

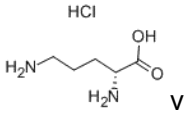


杭州泽尔瑞化学有限公司

HANGZHOU ZEERRUI CHEMICAL CO., LTD

Certificate of analysis

COA No:ZER11912262

Product Name	D-ornithine HCl
CAS No	16682-12-5
Molecular Formula	
Molecular Weight	168.62
Manufacturing date	20190402
Batch No	ZERDOH20190402

Index Name	Specification	Result
Appearance	White crystal or crystalline powder	White crystalline powder
Identification	HPLC retention time correspond to WRS	Conforms
Specific rotation $[\alpha]^{20}_D$	- 18.0°~ - 23.0°(C=2 in 5N HCl)	-22.6°
Heavy metals(Pb)	≤15ppm	< 15ppm
Loss on drying	≤0.50%	0.10%
Residue on ignition	≤0.20%	0.15%
L-Ornithine HCl	≤0.50%	0.38%
Purity(HPLC)	99.5% min	100.14%
Conclusion	Conforms to the standard of enterprise	

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CHECK:

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INSPECTION:

