



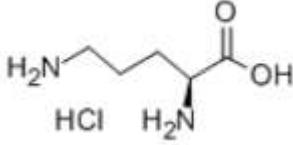
HANGZHOU DINGYAN CHEM CO.,LTD

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CERTIFICATE OF ANALYSIS

NO: **DYC051712072**

Product name	L-Ornithine monohydrochloride
CAS Number	3184-13-2
Molecule Structure	
Molecule Formula	C5H12N2O2 · HCl
Batch number	20171008
Manuf&Exp. Date	2017-10-08, 2019-10-07
Testing date	2017-10-09

Items	Standard	Result
Appearance	White crystals or crystalline powder	Conforms
Identification	Meets the requirements	Conforms
Specific rotation[α]D20	+23.0° ~+25.0°	+23.6°
State of solution	≥98.0%	98.7%
Ammonium (NH4)	≤0.02%	<0.02%
Sulfate (SO4)	≤0.02%	<0.02%
Iron(Fe)	≤10ppm	<10ppm
Heavy metals(Pb)	≤10ppm	<10ppm
Arsenic(As2O3)	≤1ppm	<1ppm
Other amino acids	Chromatographically Not detectable	Conforms
Loss on drying	≤0.20%	0.10%
Residue on ignition	≤0.10%	0.05%
Assay	99.0%~101.0%	99.4%
PH	5.0~6.0	5.7
Conclusion: Conforms with AJI92 standard.		

QUALITY CONTROL: 
Quality Control
Signature(x)

CHECK: 姚仙娟

INSPECTOR: 刘清风

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