



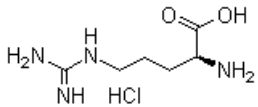
HANGZHOU DINGYAN CHEM CO.,LTD

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CERTIFICATE OF ANALYSIS

NO: DYC0917030110

Product Name	L-Arginine hydrochloride
CAS Number	1119-34-2
Molecule Structure	
Molecule Formula	C ₆ H ₁₄ N ₄ O ₂ ·HCl
Batch Quantity	1000 KGS
Batch Number	16082306
Mfg. & Exp. Date	2016-08-23 & 2018-08-22
Testing Date	2016-08-25

Items	Standard	Result
Appearance	White crystal or crystalline powder	Conform
Identification	IR should conform	Conform
Specific optical rotation	+21.4~+23.6°	+22.5°
Heavy metals	≤20ppm	Conform
Sulfate	≤300ppm	Conform
Chloride	16.5~17.1%	16.8%
Loss on drying	≤0.2%	0.15%
Residue on ignition	Heavy metals	≤20ppm
Chromatographic purity	Any single impurity≤0.5%	<0.5%
	Total impurities≤2.0%	<2.0%
Assay	98.5~101.5%	99.4%
Conclusion	This conforms to USP32 standard.	

QUALITY CONTROL: 
Hangzhou Dingyan Chem Co., Ltd.
Quality Control

CHECK: 姚仙娟

INSPECTOR: 刘清风