



Zhengzhou Yuanli Biological Technology Co., Ltd.
郑州原理生物科技有限公司

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Certificate of Analysis

Product Name: L-Arginine Hydrochloride		Batch No.: 20190116
CAS No.: 1119-34-2		Quantity: 1000KG
Manufacturing Date: 16/01/2019		Expired Date: 01/15/2021
Sampling Date: 21/01/2019		Report Date: 21/01/2019
ITEMS	Requirements	Results
Appearance	White crystalline powder	Complies
Identification (IR)	concordant with the reference spectrum	Complies
Specific rotation	+21.4~+23.6	+21.9
Chloride(Cl)	16.5%~17.1%	16.9%
Sulfate(SO ₄)	≤0.03%	<0.03%
Heavy metals(Pb)	≤ 0.002%	<0.002%
Loss on drying	≤0.2%	0.15%
Residue on ignition	≤ 0.1%	0.07%
Organic volatile impurities	Meets the requirements	Complies
Assay	98.5%~101.5%	99.0%
Conclusion	The product complies with the enterprise standard.	
Checker: Junlin Ma	Rechecker: Jing Zhao	Supervisor: Xuezhe Han

