

Shine Star (Hubei) Biological Engineering Co., Ltd.

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CERTIFICATE OF ANALYSIS

Product Name:	L-Arginine hydrochloride		
CAS No.:	1119-34-2		
Quantity:	1000kgs	Manufacture Date:	Dec 21, 2018
Batch No.:	53184138	Analysis Date:	Dec 25, 2018
Quality Standard:	EP6	Expiry Date:	Dec 20, 2020
Test Items	Limit	Result	
Identification	conform (as per EP6)	conform	
Appearance	white or almost white crystalline powder or colorless crystals	conform	
Appearance of solution	clear and not more intensely colored than reference solution BY ₆	conform	
Specific optical rotation	+21.0° to +23.5°	+22.5°	
Ninhydrin-positive substances	conform (as per EP6)	conform	
Sulphates	≤300ppm	<300ppm	
Ammonium	≤200ppm	<200ppm	
Iron	≤10ppm	<10ppm	
Heavy metals	≤10ppm	<10ppm	
Loss on drying	≤0.5%	0.14%	
Sulphated ash	≤0.1%	0.04%	
Assay	98.5% to 101.0%	99.63%	
Conclusion: The products conform to EP6 standard.			
Reported by: 陈燕		Verified by: 郭刚	
Storage: Preserve in well-closed containers and protected from light			