

#### Jing Jing Pharmaceutical Co.,Ltd.

NO.88, Jingyi Road , Dacaozhuang Industrial Zone,

Ningjin County, Xingtai City, Hebei P.R. China. Postal code: 055550

Tel:+86-311-83078783 Fax:+86-311-83078913



# E-mail:guolei@jjpharm.cn Website:http://www.jjpharm.cn CERTIFICATE OF ANALYSIS

Arginine raw material inspection report

Commodity Name :	Arginine	Batch No.	Y0392304001	Quantity:	9325 kg	
Source		g) Biotechnology ., Ltd.	Package	25kg/bag		
Number of retained samples	12	2.85g	Test Date	2023.04.03		
Inspection purpose	us	e test	Report Date	2023.04.06		
Test based on	SOP-012	-YZC1291B	Expiry date	2026.01		
TES	ST	SPECIF	ICATION	RESULT		
Characters		White crystals or crystalline powder		White crystalline powder		
Specific	Specific rotation		+26.9° ~ +27.9°		+27.3°	
Identification		Comply to specification		Conforms		
pH	рН		10.5~12.0		11.3	
Transmittance, %		≥ 98.0		98.8		
Chloride , %		≤ 0.02		< 0.02		
Sulfate, %		≤ 0.02		< 0.02		
Iron , ppm		≤10		< 10		
Arsenic salt,ppm		≤1		< 1		
Heavy me	Heavy metals,ppm		≤10		< 10	
Loss on drying,%		≤ 0.5		0.04		
Residue on ignition,%		≤ 0.3		0.09		
other amino acids, %		≤ 0.4		< 0.4		
Assay,%		≥98.5%		99.8		
Packaging Integrity		should be complete		whole		
Packaging tightness		should be sealed		seal		
Conclusion The	This product is tested according to STP-011-YZCS1291B, and the results meet					

Manager of QC:

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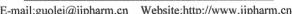
Inspector

Reviewer: 李传统



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Commodity Name :	Arginine	Batch No.	Y0392304002	Quantity:	5000k	
Source		g) Biotechnology o., Ltd.	Package	25kg/bag		
Number of retained sample	es	3.46g	Test Date	2023.04.24		
Inspection purpose	υ	se test	Report Date	2023.04.25		
Test based or	SOP-01	2-YZC1291B	Expiry date	2026.01		
Т	EST	SPECIF	ICATION	RESULT		
Characters			White crystals or crystalline powder		White crystalline powder	
Specific rotation		+26.9°	+26.9° ~ +27.9°		+27.1°	
Identification		Comply to	Comply to specification		Conforms	
рН		10.5	10.5~12.0		11.3	
Transmittance, %		≥ 98.0		98.7		
Chloride , %		≤ 0.02		< 0.02		
Sulfate, %		≤ 0.02		< 0.02		
Iron , ppm		≤10		< 10		
Arsenic salt,ppm		≤1		< 1		
Heavy metals,ppm		≤10		< 10		
Loss on drying,%		≤ 0.5		0.19		
Residue on ignition,%		≤ 0.3		0.04		
other amino acids, %		≤ 0.4		< 0.4		
Assay,%		≥98.5%		99.7		
Packagi	ng Integrity	should b	should be complete		whole	
Packaging tightness		should be sealed		seal		
Conclusion	his product is tested according to STP-011-YZCS1291B, and the results mee					

Manager of QC:

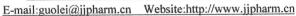
Inspector (2)

Reviewer: 考核



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#### **CERTIFICATE OF ANALYSIS**

Arginine raw material inspection report

Commodity Name:	Arginine	Batch No.	Y0392304003	Quantity:	13000 kg	
Source		) Biotechnology ., Ltd.	Package	25kg/bag		
Number of retained samples	s 12	2.10g	Test Date	2023.04.28		
Inspection purpose	us	e test	Report Date	2023.04.30		
Test based on	SOP-012-	-YZC1291B	Expiry date	2026.01		
TE	EST	SPECIF	ICATION	RESULT		
Characters		White crystals or crystalline powder		White crystalline powder		
Specific	Specific rotation		+26.9° ~ +27.9°		+27.2°	
Identification		Comply to specification		Conforms		
рН		10.5~12.0		11.3		
Transmittance, %		≥ 98.0		98.7		
Chloride , %		≤ 0.02		< 0.02		
Sulfate, %		≤ 0.02		< 0.02		
Iron , ppm		≤ 10		< 10		
Arsenic salt,ppm		≤1		< 1		
Heavy metals,ppm		≤10		< 10		
Loss on	Loss on drying,%		≤ 0.5		0.21	
Residue or	Residue on ignition,%		≤ 0.3		0.04	
other amino acids, %		≤ 0.4		< 0.4		
Assay,%		≥98.5%		99.8		
Packagin	Packaging Integrity		should be complete		whole	
Packaging tightness		should be sealed		seal		
Conclusion	This product is teste	uct is tested according to STP-011-YZCS1291B, and the results meet the requirements				

Manager of QC:

Inspector To

Reviewer: