



Jing Jing Pharmaceutical Co.,Ltd.

NO.88,Jingyi Road ,Dacaozhuang Industrial Zone,
Ningjin County,Xingtai City,Hebei P.R.China. Postal code :055550
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CERTIFICATE OF ANALYSIS

Aspartic Acid raw material inspection report

Commodity Name	Aspartic Acid	Batch No.	Y0312304003	Quantity	1000 kg
Source	Changzhou Yabang Chemical Co., Ltd.		Package	25kg/bag	
Number of retained samples	12.47g		Test Date	2023.04.11	
Inspection purpose	use test		Report Date	2023.04.12	
Test based on	SOP-012-YZC1292B		Expiry date	2025.03	
TEST		SPECIFICATION		RESULT	
Characters		White or off-white crystalline powder		White crystalline powder	
Specific rotation		+24.0° ~ +26.0°		+25.5°	
Identification		Should be consistent with the control map (Figure 913)		Conforms	
pH		2.5~3.5		3.0	
Transmittance , %		≥ 98.0		99.1	
Chloride , %		≤ 0.02		< 0.02	
Sulfate , %		≤ 0.02		< 0.02	
Iron , %		≤ 0.001		< 0.001	
Arsenic salt,%		≤0.0001		< 0.0001	
other amino acids, %		≤ 0.5		< 0.5	
Heavy metals,ppm		≤ 10		< 10	
Loss on drying,%		≤ 0.2		0.07	
Residue on ignition,%		≤ 0.1		0.05	
Ammonium,%		≤ 0.04		< 0.04	
Assay,%		99.0~100.5		99.8	
Packaging Integrity		should be complete		whole	
Packaging tightness		should be sealed		seal	
Conclusion	According to the internal control of the enterprise, the results meet the regulations				

Manager of QC:

李素娟

Inspector: 董玉利

Reviewer: 李存娟



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CERTIFICATE OF ANALYSIS

Aspartic Acid raw material inspection report

Commodity Name	Aspartic Acid	Batch No.	Y0312304002	Quantity	1000 kg
Source	Changzhou Yabang Chemical Co., Ltd.		Package	25kg/bag	
Number of retained samples	12.98g		Test Date	2023.04.11	
Inspection purpose	use test		Report Date	2023.04.12	
Test based on	SOP-012-YZC1292B		Expiry date	2025.03	
TEST		SPECIFICATION		RESULT	
Characters		White or off-white crystalline powder		White crystalline powder	
Specific rotation		+24.0° ~ +26.0°		+25.5°	
Identification		Should be consistent with the control map (Figure 913)		Conforms	
pH		2.5~3.5		2.9	
Transmittance , %		≥ 98.0		98.8	
Chloride , %		≤ 0.02		< 0.02	
Sulfate , %		≤ 0.02		< 0.02	
Iron , %		≤ 0.001		< 0.001	
Arsenic salt,%		≤0.0001		< 0.0001	
other amino acids, %		≤ 0.5		< 0.5	
Heavy metals,ppm		≤ 10		< 10	
Loss on drying,%		≤ 0.2		0.03	
Residue on ignition,%		≤ 0.1		0.06	
Ammonium,%		≤ 0.04		< 0.04	
Assay,%		99.0~100.5		99.6	
Packaging Integrity		should be complete		whole	
Packaging tightness		should be sealed		seal	
Conclusion	According to the internal control of the enterprise, the results meet the regulations				

Manager of QC:

李颖

Inspector: 董玉利

Reviewer: 李有娟



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CERTIFICATE OF ANALYSIS

Aspartic Acid raw material inspection report

Commodity Name	Aspartic Acid	Batch No.	Y0312304001	Quantity	1000 kg
Source	Changzhou Yabang Chemical Co., Ltd.		Package	25kg/bag	
Number of retained samples	12.76g		Test Date	2023.04.11	
Inspection purpose	use test		Report Date	2023.04.12	
Test based on	SOP-012-YZC1292B		Expiry date	2025.03	
TEST		SPECIFICATION		RESULT	
Characters		White or off-white crystalline powder		White crystalline powder	
Specific rotation		+24.0° ~ +26.0°		+25.5°	
Identification		Should be consistent with the control map (Figure 913)		Conforms	
pH		2.5~3.5		2.9	
Transmittance , %		≥ 98.0		99.2	
Chloride , %		≤ 0.02		< 0.02	
Sulfate , %		≤ 0.02		< 0.02	
Iron , %		≤ 0.001		< 0.001	
Arsenic salt,%		≤0.0001		< 0.0001	
other amino acids, %		≤ 0.5		< 0.5	
Heavy metals,ppm		≤ 10		< 10	
Loss on drying,%		≤ 0.2		0.04	
Residue on ignition,%		≤ 0.1		0.05	
Ammonium,%		≤ 0.04		< 0.04	
Assay,%		99.0~100.5		99.8	
Packaging Integrity		should be complete		whole	
Packaging tightness		should be sealed		seal	
Conclusion	According to the internal control of the enterprise, the results meet the regulations				

Manager of QC:

李源

Inspector:

李永利

Reviewer:

李存娟