



Xinjiang Fufeng Biotechnologies Co., Ltd.

新疆阜丰生物科技有限公司

Certificate Of Analysis

检验报告单

Product Name: L-Glutamine (Fermentation)

CAS No. 56-85-9

Packing: 25kg/drum

Batch No.:GM1806008

Quantity:4500kg

Mfg Date:2018.06.06

Inspection Date: 2018.06.07

Expiry Date:2020.06.05

Country Of Origin: China

PO /IMP No: :8044577/42555

Items	Limits	
Description	White crystals or crystalline powder	Conforms
Assay	98.5%~101.5%	99.8%
Identification (Infrared Absorption)	Corresponding to Reference Spectrum	Conforms
PH	4.35~6.0	4.45
Specific rotation	+6.3°~+7.3°	+6.54°
Residue on Ignition	≤0.1%	0.09%
Loss on Drying	≤0.3%	0.11%
Bulk density	≥0.5g/ml	Conforms
Chloride (Cl)	≤0.05%	<0.05%
Iron(Fe)	≤30ppm	<30ppm
Sulfate (SO4)	≤0.03%	<0.03%
Lead(Pb)	≤3ppm	≤3ppm
Arsenic (As)	≤1ppm	<1ppm
Cadmium (Cd)	≤1ppm	<1ppm
Mercury (Hg)	≤0.1ppm	<0.1ppm
Heavy Metals	≤15ppm	<15ppm
Total Plate Count	≤1000cfu/g	≤1000cfu/g
Yeast and Molds	≤100cfu/g	<100cfu/g
E.Coli	Negative in 10g	Conforms
Staphylococcus Aureus	Negative in 10g	Conforms
Salmonella	Negative in 10g	Conforms
Organic volatile impurities	Meet the requirements	
Insoluble Foreign Matter in Amino Acids	Complies	
Specification: Min 95% Through 120 mesh.		
Conclusion: Passed test according to the Standard of FCCX.		

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