



XI'AN HARMONIOUS NATURAL BIO-TECH CO.,LTD

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CERTIFICATE OF ANALYSIS

Product Name	Glutamine	Batch Number	GS200702
Quantity	500 kg	Country of Origin	P. R. China
Manufacture Date	2020-Jul.-02	Analysis Date	2020-Jul.-02

Analysis Items	Specifications	Results	Method
Specific rotation[a] _{D20} [°]	+6.3~+7.3 [°]	+6.42 [°]	USP60<781S>
Appearance	White crystals or crystalline powder, Practically insoluble in alcohol and in ether	Complies	Visual
Loss on drying	≤0.30%	0.28%	USP40<731>
Residue on ignition	≤0.3%	0.07%	USP40<281>
Impurity	≤0.5%	Conforms	TLC<621>
identification	IR<197k>	Conforms	
Assay	98.5~101.5%	98.70%	
Arsenic (As)	NMT 1.5ppm	Conforms	USP40<233>
Cadmium(Cd)	NMT 0.5ppm	Conforms	USP40<233>
Lead (Pb)	NMT 0.5ppm	Conforms	USP40<233>
Mercury(Hg)	NMT 3ppm	Conforms	USP40<233>
Iron(Fe)	NMT 3ppm	Conforms	USP40<241>
Total Plate Count	≤1000cfu/g	Complies	USP40<61>
Total Yeast&Mold	≤100cfu/g	Complies	USP40<61>
E.Coli	Negative	Complies	USP40<62>
S. aureus	Negative	Complies	USP40<62>
Salmonella	Negative	Complies	USP40<62>

Packing and Storage	In 25 kg net fibre drum, inner polythene bags. It shall be stored in cool, dry, and ventilated places, avoiding humidity and heating, keep away from toxic materials
Shelf Life	2 years if sealed and stored under the recommended conditions
Expiration Date	2015-Apr-01

QC MANAGER:

王要月

INSPECTOR:

杨恩远

ANALYST:

