

Certificate Of Analysis

Product Name: L-Glutamine

CAS No. 56-85-9

Packing: 25kg/drum

Batch No.:GM20140405

Quantity:3000kg

Mfg Date: 2014.04.05

Inspection Date: 2014.04.06

Expiry Date: 2016.04.04

Country Of Origin: China

Items	Limits	Test results
Description	White crystals or crystalline powder	Conforms
Assay	≥98.5%	99.8%
Identification (Infrared Absorption)	Corresponding to Reference Spectrum	Confirms
PH	4.5~6.0	4.75
Specific rotation	+6.3°~+7.3°	+6.74°
Residue on Ignition	≤0.1%	0.06%
Loss on Drying	≤0.5%	0.07%
Chloride (Cl)	≤500ppm	<500ppm
Iron(Fe)	≤30ppm	<30ppm
Sulfate (SO4)	≤300ppm	<300ppm
Heavy Metals	≤15ppm	<15ppm
Lead (Pb)	≤5ppm	<5ppm
Arsenic (As)	≤3ppm	<3ppm
Cadmium (Cd)	≤1ppm	<1ppm
Mercury (Hg)	≤1ppm	<1ppm
Total Plate Count	≤5000cfu/g	<5000cfu/g
Yeast and Molds	≤100cfu/g	<100cfu/g
E.Coli	Negative in 10g	Confirms
Staphylococcus Aureus	Negative in 10g	Confirms
Salmonella	Negative in 10g	Confirms
Storage Condition	Stored In Cool and Dry place	
Conclusion: Passed test according to the Standard of FCC.		

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