

CERTIFICATE OF ANALYSIS

Product Name	L-Glutamine	Batch kgs	4225kg
Batch Number	SOST20240321	Issue Date	2024.03.26
MFG. Date	2024.03.21	Expiration Date	2026.03.14
Packing	25kg/drum	CAS No	56-85-9
Items	Limits	Test results	
Description	White crystals or crystalline powder	Conforms	
Assay	98.5% ~ 101.5%	100.0%	
Identification (Infrared Absorption)	Corresponding to Reference Spectrum	Conforms	
PH	4.35 ~ 6.0	4.53	
Specific rotation	+6.3 ° ~ +7.3 °	+6.64 °	
Residue on Ignition	≤0.3%	0.13%	
Loss on Drying	≤0.3%	0.09%	
Bulk Density	/	0.60g/ml	
Tapped Density	/	1.05g/ml	
Chloride (Cl)	≤0.05%	< 0.05%	
Iron(Fe)	≤30ppm	< 30ppm	
Sulfate (SO4)	≤0.03%	< 0.03%	
Lead(Pb)	≤5ppm	< 5ppm	
Arsenic (As)	≤3ppm	< 3ppm	
Cadmium (Cd)	≤1ppm	< 1ppm	
Mercury (Hg)	≤1ppm	< 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		
Conclusion: Passed test according to the FCCV.			

QC MANAGER: Feng Li

ANALYST: Guo Shan

