

CERTIFICATE OF ANALYSIS

Product Name: L-Glutamine	CAS No. 56-85-9
Inspection Date: 2025.04.11	Expiry Date:2028.04.09

Items	Limits	Test results
Description	White crystals or crystalline powder	Conforms
Assay	98.5%~101.5%	99.9%
Identification (Infrared Absorption)	Corresponding to Reference Spectrum	Conforms
PH	4.35~6.0	4.37
Specific rotation	+6.3° ~+7.3 °	+6.50°
Residue on Ignition	≤0.1%	0.09%
Loss on Drying	≤0.3%	0.02%
	/	0.55g/ml
Bulk Density		
Tapped Density	/	0.84g/ml
Chloride (Cl)	≤0.05%	<0.05%
Iron(Fe)	≤30ppm	<30ppm
Sulfate (SO4)	≤0.03%	<0.03%
Lead(Pb)	≤3ppm	<3pm
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	

Base Bulk