

CERTIFICATE OF ANALYSIS

Product Name	L-Glutamine		
Batch Number	20221125	Manufacture Date	20221125
Report Date	20221125	Expiry Date	20241124

Item of Analysis	Specification	Results
Assay	98.5~101.5%	99.4%
Appearance	White crystals or crystalline	Conforms
Identification	Infrared Absorption	Conforms
Residue on ignition	≤0.3%	0.09%
Chloride(Cl)	≤0.05%	<0.05%
Sulfate(SO ₄)	≤0.03%	<0.03%
Iron(Fe)	≤30ppm	<30ppm
Heavy metals(Pb)	≤15ppm	<15ppm
Specific rotation $[\alpha]_D^{20}$	+6.3°~+7.3°	+6.5°
Loss on drying	≤0.3%	0.14%

Conclusion: This Batch Above Project Is Conforming With The Standard Of USP30.

Storage: Store in tight, light-resistant containers, avoid exposure to direct sunlight, moisture and excessive heat.

Shelf Life: 24 months if store under the conditions above and stay in original packaging.

