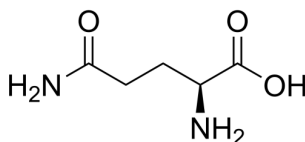


Certificate of Analysis

Compound Information

Product Name:	L-Glutamine
Cat. No.:	1036188
CAS No.:	56-85-9
Molecular Formula:	C ₅ H ₁₀ N ₂ O ₃
Molecular Weight:	146.14
Chemical Structure:	



Batch Information

Batch No.:	Lf1108180899
Storage:	Storage temp. 2-8°C
Test Date:	2022-09-12
Retest Date:	2025-09-11
Origin:	Shanghai, China

QC Summary

Appearance:	White to off-white (Solid)
¹H NMR Spectrum:	Consistent with structure
MS:	Consistent with structure
Purity (NMR):	≥98.0%
Loss on drying:	0.08%
Residue on Ignition:	0.06%
Heavy Metals:	<5 mg/kg
Conclusion:	The product has been tested and complies with the given specifications.

Caution: Research use only and are not intended for human use.

Tel: 400-821-0725

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