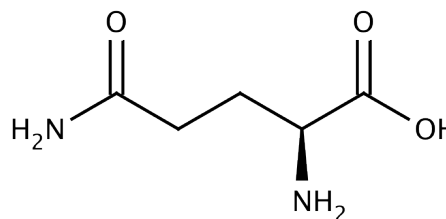


Product Specification

Product Name	L-Glutamine
Glentham Code	GM6582
CAS Number	56-85-9
EINECS	200-292-1
MDL Number	MFCD00008044
PubChem SID	310274235
Molecular Weight	146.15
Molecular Formula	C ₅ H ₁₀ N ₂ O ₃
Storage Temp.	+20°C



Property	Specification
Physical Description	White to almost white crystalline powder
Assay	98.5 - 101.5 %
Identification	IR
Specific Optical Rotation	6.3 - 7.3 ° (c=4, H ₂ O, 20°C)
Loss on Drying	≤ 0.3%
Residue on Ignition	≤ 0.1%
Lead (Pb)	≤ 3ppm
Arsenic (As)	≤ 1ppm
Cadmium (Cd)	≤ 1ppm
Mercury (Hg)	≤ 0.1ppm
Specification Version	- v1.1
Date Created	- 2014-06-13

Glentham Life Sciences confirm that the above referenced product conformed to the information displayed in this document on the quality release date. Please check www.glentham.com or contact us using the details above for the current version of this document.

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