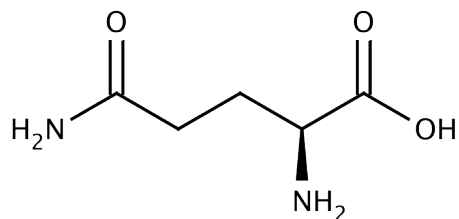


Product Specification

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 : C₅H₁₀N₂O₃
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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