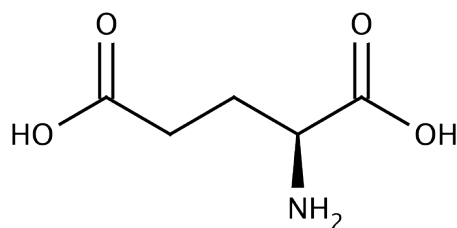


Product Specification

Product Name : L-Glutamic acid
Glentham Code : GM3277
CAS Number : 56-86-0
EINECS : 200-293-7
MDL Number : MFCD00002634
PubChem SID : 310274214

Molecular Weight : 147.13
Molecular Formula : C₅H₉NO₄
Storage Temp. : +20°C



Property	Specification
Physical Description	White crystalline powder
Specific Optical Rotation	31.5 - 32.5 °
Transmittance	≥ 98.0%
Ammonium (NH ₄)	≤ 0.02%
Lead (Pb)	≤ 3ppm
Cadmium (Cd)	≤ 1ppm
Mercury (Hg)	≤ 0.1ppm
Arsenic (As)	≤ 1ppm
Iron (Fe)	≤ 10ppm
Sulphate (SO ₄)	≤ 0.02%
Chloride (Cl)	≤ 0.02%
Loss on Drying	≤ 0.10%
Residue on Ignition	≤ 0.10%
pH	3.0 - 3.5
Assay	99.0 - 101.0 %
Pharmacopoeia Specification(s)	Conforms to USP, AJI

Specification Version : v1.0
Date Created : 2014-05-16

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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