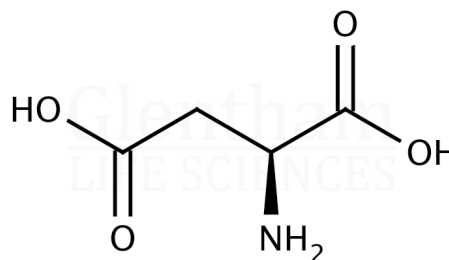


Certificate of Analysis

Product Name	L-Aspartic acid, Ph. Eur. grade
Glentham Code	GM3196
CAS Number	56-84-8
EINECS	200-291-6
MDL Number	MFCD00002616
PubChem SID	310267057
Batch Number	577LSE
Molecular Weight	133.10
Molecular Formula	C ₄ H ₇ NO ₄
Storage Temp.	+20°C



Property	Specification	Batch 577LSE
Physical Description	White to off-white crystalline powder	White crystalline powder
Identification	To pass tests	Conforms
Appearance of Solution	To pass test (≤ BY6)	Conforms
Specific Optical Rotation	+24.0 - +26.0 °	+25.3 °
Ninhydrin-positive substances	To pass test	Conforms
Iron (Fe)	≤ 10ppm	Conforms
Lead (Pb)	≤ 3ppm	Conforms
Cadmium (Cd)	≤ 1ppm	Conforms
Mercury (Hg)	≤ 0.1ppm	Conforms
Arsenic (As)	≤ 1ppm	Conforms
Loss on Drying	≤ 0.5%	≤ 0.1%
Chloride (Cl)	≤ 200ppm	Conforms
Sulphate (SO ₄)	≤ 300ppm	≤ 200ppm
Ammonium (NH ₄)	≤ 200ppm	Conforms
Sulphated Ash	≤ 0.1%	Conforms
Assay	98.5 - 101.5 %	99.1%
Pharmacopoeia Specification(s)	EP	Conforms

Specification Version	v1.0
Manufacture Date	2021-09-21
Re-Test Date	2030-03-21

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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