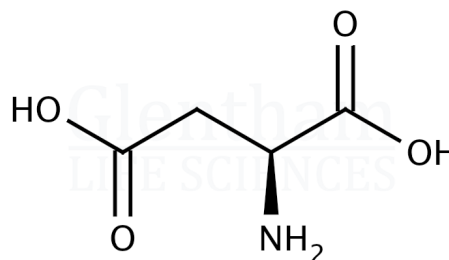


## Certificate of Analysis

Product Name	L-Aspartic acid, Ph. Eur. grade
Glenthams 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 <sub>4</sub> H <sub>7</sub> NO <sub>4</sub>
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 (SO4)	≤ 300ppm	≤ 200ppm
Ammonium (NH4)	≤ 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

Glenthams Life Sciences confirm that the above referenced product conformed to the information displayed in this document on the quality release date. Please check [www.glenthams.com](http://www.glenthams.com) or contact us using the details above for the current version of this document.

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