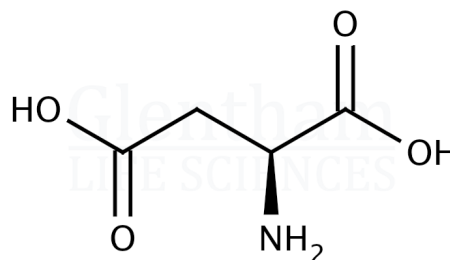


Certificate of Analysis

Product Name L-Aspartic acid, Ph. Eur. grade
Glentham Code GM3196
CAS Number 56-84-8
EINECS 200-291-6
MDL-Nummer MFCD00002616
PubChem SID 310267057
Batch Number 577LSE

Molecular Weight 133.10
Molecular Formula $C_4H_7NO_4$
Storage Temp. +20°C



Property	Specification	Batch 577LSE
Physical Description	White to off-white crystalline powder	White crystalline powder
Identification	To pass tests	Entspricht
Appearance of Solution	To pass test ($\leq$ BY6)	Entspricht
Specific Optical Rotation	+24.0 - +26.0 °	+25.3 °
Ninhydrin-positive substances	To pass test	Entspricht
Iron (Fe)	$\leq$ 10ppm	Entspricht
Lead (Pb)	$\leq$ 3ppm	Entspricht
Cadmium (Cd)	$\leq$ 1ppm	Entspricht
Mercury (Hg)	$\leq$ 0.1ppm	Entspricht
Arsenic (As)	$\leq$ 1ppm	Entspricht
Loss on Drying	$\leq$ 0.5%	$\leq$ 0.1%
Chloride (Cl)	$\leq$ 200ppm	Entspricht
Sulphate (SO4)	$\leq$ 300ppm	$\leq$ 200ppm
Ammonium (NH4)	$\leq$ 200ppm	Entspricht
Sulphated Ash	$\leq$ 0.1%	Entspricht
Assay	98.5 - 101.5 %	99.1%
Pharmacopoeia Specification(s)	EP	Entspricht

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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