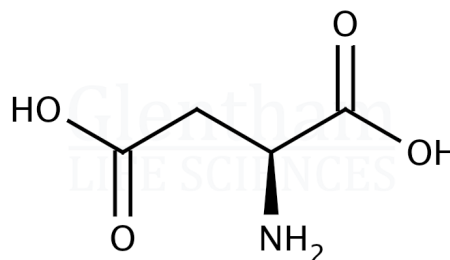


## Product Specification

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



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

Specification Version	-	v1.0
Date Created	-	2014-05-14

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](http://www.glentham.com) or contact us using the details above for the current version of this document.

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