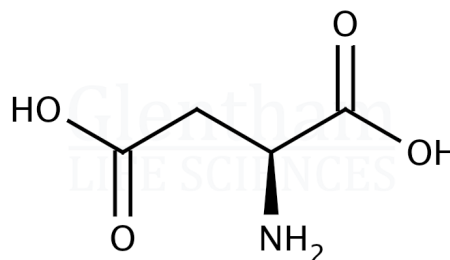


## Product Specification

Product Name	L-Aspartic acid, GlenCell™, suitable for cell culture
Glentham Code	GM0348
CAS Number	56-84-8
EINECS	200-291-6
Molecular Weight	133.10
Molecular Formula	$C_4H_7NO_4$
Storage Temp.	+20°C



Property	Specification
Physical Description	White to almost white crystalline powder
Identification	A, B, C, D according to Ph. Eur.
Solubility (5% in 1M HCl)	Clear, colourless solution ( $\leq$ BY6)
Specific Optical Rotation ( $[\alpha]_{20/D}$ )	+24.0 - +26.0 °
Ninhydrin-positive substances	$\leq$ 0.3% (each)
Dicarboxylic acids	$\leq$ 0.3%
Enantiomeric Impurity	$\leq$ 0.3%
Chlorides	$\leq$ 200ppm
Sulphates	$\leq$ 300ppm
Ammonium	$\leq$ 200ppm
Iron	$\leq$ 10ppm
Loss on Drying	$\leq$ 0.5%
Sulphated Ash	$\leq$ 0.1%
Assay (Titration)	98.5 - 101.5 % (dried substance)
Pharmacopoeia Specification(s)	Ph. Eur.
Origin	non-animal
Specification Version	- v1.0
Date Created	- 2020-05-12

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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