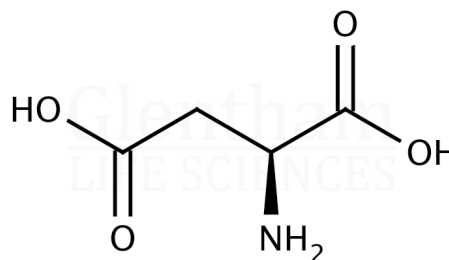


Product Specification

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 ₄ H ₇ NO 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 or contact us using the details above for the current version of this document.

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