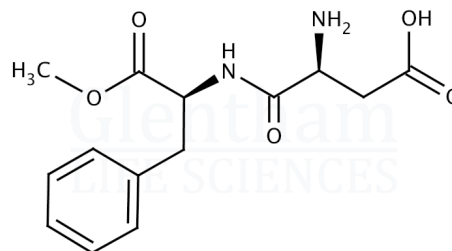


Product Specification

Product Name	Aspartame, Ph. Eur., USP grade
Glentham Code	GE7341
CAS Number	22839-47-0
EINECS	245-261-3
MDL Number	MFCD00002724
Molecular Weight	294.30
Molecular Formula	C ₁₄ H ₁₈ N ₂ O ₅
Storage Temp.	+20°C



Property	Specification
Physical Description	White or almost white crystalline powder
Identification (IR)	To conform to standard
Identification	To pass Ph. Eur. tests A, C, D
Solubility (0.8% in water)	Clear, colourless (\leq GY6) solution
Conductivity	$\leq 30\mu\text{S/cm}$ (0.8% in water)
Specific Optical Rotation ($[\alpha]_{20/D}$)	+14.5 - +16.5 ° (dried substance)
Impurity A	$\leq 1.5\%$ (5-benzyl-3,6-dioxo-2-piperazineacetic acid)
Impurity C	$\leq 0.5\%$ (L-phenylalanine)
Total Impurities	$\leq 1.5\%$ (ex. A + C)
Heavy Metals (as Pb)	$\leq 10\text{ppm}$
Sulphated Ash	$\leq 0.2\%$
Loss on Drying	$\leq 4.5\%$
Assay	98.0 - 102.0 %
Pharmacopoeia Specification(s)	Ph. Eur., USP

Specification Version	-	v1.0
Date Created	-	2019-07-09

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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