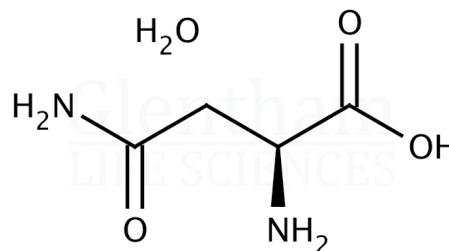


Product Specification

Product Name	L-Asparagine monohydrate, EP grade
Glentham Code	GM3228
CAS Number	5794-13-8
EINECS	200-735-9
MDL Number	MFCD00151038
Molecular Weight	150.14
Molecular Formula	$C_4H_8N_2O_3 \cdot H_2O$
Storage Temp.	+20°C



Property	Specification
Physical Description	White or almost white crystalline powder or colourless crystals
Identification	A, B, C according to EP
Solubility (2% in water)	Clear, colourless solution
pH (2% in water)	4.0 - 6.0
Specific Optical Rotation	+33.7 - +36.0 ° (c=10, 3M HCl)
Ninhydrin-positive substances	≤ 0.5%
Chlorides	≤ 0.02%
Sulphates	≤ 0.02%
Ammonium	≤ 0.1%
Iron (Fe)	≤ 10ppm
Heavy Metals	≤ 10ppm
Sulphated Ash	≤ 0.1%
Loss on Drying	10.5 - 12.5 % (130°C, 3h)
Assay	99.0 - 101.0 % (dried substance)
Pharmacopoeia Specification(s)	EP

Specification Version	-	v1.0
Date Created	-	2018-11-26

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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