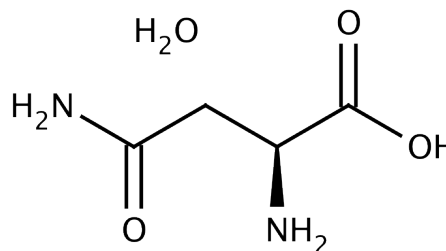


## Product Specification

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 <sub>4</sub> H <sub>8</sub> N <sub>2</sub> O <sub>3</sub> · H <sub>2</sub> O
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](http://www.glentham.com) or contact us using the details above for the current version of this document.

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