

Product Datasheet

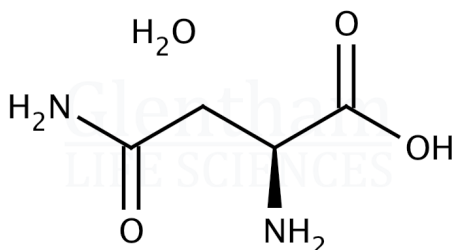
GM3228 - L-Asparagine monohydrate, EP grade

Product Details

Product Name	L-Asparagine monohydrate, EP grade
Glenthams Code	GM3228
CAS Number	5794-13-8
EINECS	200-735-9
MDL-Nummer	MFCD00151038
Related Categories	Amino Acids, Biochemicals, Raw Materials (IVD)

Structure

Molecular Weight	: 150.14
Molecular Formula	: $C_4H_8N_2O_3 \cdot H_2O$



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
Version	: v1.0

About L-Asparagine monohydrate, EP grade

Asparagine monohydrate is an alpha-amino acid that is non-essential in humans. It is used in the biomanufacturing of recombinant proteins and monoclonal antibodies. It is an important constituent in cell culture media.

Storage

Recommended storage temperature: +20°C.

Hazards and Transport

Not classified as hazardous under CLP.
Not classified as dangerous for transport.

Glenthams Product Specification

This document was generated electronically and is therefore valid without signature. © Glenthams Life Sciences Ltd, 2025