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## **Product Datasheet**

GM3228 - L-Asparagine monohydrate, EP grade

**Product Details** 

Product Name L-Asparagine monohydrate, EP

gradė

 Glentham Code
 GM3228

 CAS Number
 5794-13-8

 EINECS
 200-735-9

MDL Number MFCD00151038

Related Categories Amino Acids, Biochemicals,

Raw Materials (IVD)

**Structure** 

Molecular Weight : 150.14

Molecular Formula :  $C_4H_8N_2O_3 \cdot H_2O$ 

**Storage** 

Recommended storage temperature: +20°C.

**Hazards and Transport** 

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

**Glentham Product Specification** 

Physical : White or almost white crystalline powder or colourless crystals

Identification : A, B, C according to EP

Solubility (2% in water)

pH (2% in water) : 4.0 - 6.0

Specific Optical : +33.7 - +36.0 ° (c=10, 3M HCl)

: Clear, colourless solution

Rotation

Ninhydrin-positiv : ≤ 0.5%

e substances

 $\begin{array}{llll} \text{Chlorides} & : & \leq 0.02\% \\ \text{Sulphates} & : & \leq 0.02\% \\ \text{Ammonium} & : & \leq 0.1\% \\ \text{Iron (Fe)} & : & \leq 10 \text{ppm} \\ \text{Heavy Metals} & : & \leq 10 \text{ppm} \\ \text{Sulphated Ash} & : & \leq 0.1\% \\ \end{array}$ 

Loss on Drying : 10.5 - 12.5 % (130°C, 3h)

Assay : 99.0 - 101.0 % (dried substance)

Pharmacopoeia : EP

Specification(s)

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.

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Page 1 of 1 Printed: 2024-05-02 03:47:18