

## Product Datasheet

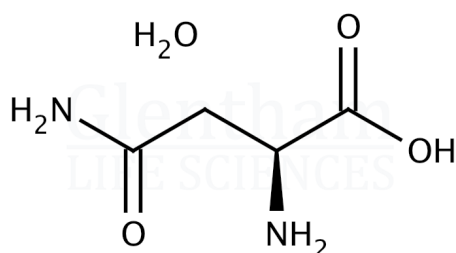
### GM3228 - L-Asparagine monohydrate, EP grade

#### Product Details

|                    |                                                |
|--------------------|------------------------------------------------|
| Product Name       | L-Asparagine monohydrate, EP grade             |
| Glentham Code      | GM3228                                         |
| CAS Number         | 5794-13-8                                      |
| EINECS             | 200-735-9                                      |
| Numéro MDL         | 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.

#### Glentham Product Specification

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