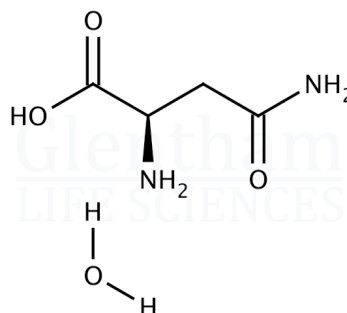


## Product Specification

|                    |                           |
|--------------------|---------------------------|
| Product Name       | D-Asparagine monohydrate  |
| Glentham Code      | GM5903                    |
| CAS Number         | 5794-24-1                 |
| EINECS             | 218-163-3                 |
| Numéro MDL         | MFCD00149558              |
| CAS supplémentaire | 2058-58-4 (anhydr.)       |
| PubChem SID        | 310267053                 |
| Molecular Weight   | 150.14                    |
| Molecular Formula  | $C_4H_8N_2O_3 \cdot H_2O$ |
| Storage Temp.      | +20°C                     |



| Property                  | Specification                 |
|---------------------------|-------------------------------|
| Physical Description      | White to off-white powder     |
| Specific Optical Rotation | -33.0 - -37.0 ° (C=5, 5M HCl) |
| Residue on Ignition       | ≤ 0.1%                        |
| Chloride (Cl)             | ≤ 0.02%                       |
| Sulphate (SO4)            | ≤ 0.02%                       |
| Iron (Fe)                 | ≤ 10ppm                       |
| Heavy Metals              | ≤ 10ppm                       |
| Loss on Drying            | 11.5 - 12.5 %                 |
| Assay                     | 98.5 - 101.5 %                |

|                       |              |
|-----------------------|--------------|
| Specification Version | - v1.0       |
| Date Created          | - 2015-02-25 |

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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