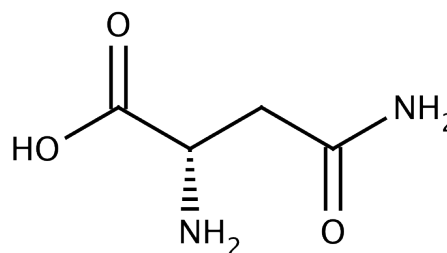


## Product Specification

Product Name : L-Asparagine, anhydrous  
Glentham Code : GM9590  
CAS Number : 70-47-3  
EINECS : 200-735-9  
MDL Number : MFCD00064401  
PubChem SID : 310267050

Molecular Weight : 132.12  
Molecular Formula : C<sub>4</sub>H<sub>8</sub>N<sub>2</sub>O<sub>3</sub>  
Storage Temp. : +20°C



Property	Specification
Physical Description	White crystalline powder
Solubility (5% in 1M HCl)	Clear, colourless solution
pH	4.4 - 6.4
Specific Optical Rotation	+34.3 - +36.5 °
Ammonium (NH <sub>4</sub> )	≤ 0.1%
Sulphate (SO <sub>4</sub> )	≤ 0.02ppm
Chloride (Cl)	≤ 0.02%
Iron (Fe)	≤ 10ppm
Arsenic (As)	≤ 1ppm
Heavy Metals (as Pb)	≤ 10ppm
Residue on Ignition	≤ 0.1%
Loss on Drying	≤ 0.3%
Assay	98.0 - 102.0 % (dried basis)

Specification Version : v1.0  
Date Created : 2014-05-19

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.

This document was generated electronically and is therefore valid without signature. © Glentham Life Sciences Ltd, 2018