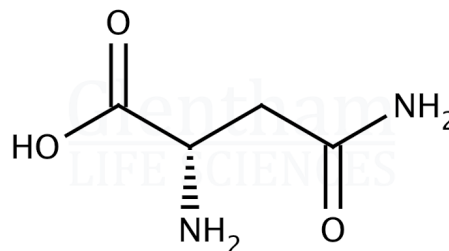


Certificate of Analysis

Product Name	L-Asparagine, anhydrous
Glentham Code	GM9590
CAS Number	70-47-3
EINECS	200-735-9
MDL Number	MFCD00064401
PubChem SID	310267050
Batch Number	285XRD
Molecular Weight	132.12
Molecular Formula	C ₄ H ₈ N ₂ O ₃
Storage Temp.	+20°C



Property	Specification	Batch 285XRD
Physical Description	White crystalline powder	White crystalline powder
Solubility (5% in 1M HCl)	Clear, colourless solution	Clear, colorless solution
pH	4.4 - 6.4	4.5
Specific Optical Rotation	+34.3 - +36.5 °	+35.2°
Ammonium (NH4)	≤ 0.1%	Conforms
Sulphate (SO4)	≤ 0.02ppm	Conforms
Chloride (Cl)	≤ 0.02%	Conforms
Iron (Fe)	≤ 10ppm	Conforms
Arsenic (As)	≤ 1ppm	Conforms
Heavy Metals (as Pb)	≤ 10ppm	≤ 5ppm
Residue on Ignition	≤ 0.1%	Conforms
Loss on Drying	≤ 0.3%	0.2%
Assay	98.0 - 102.0 % (dried basis)	99.8%

Specification Version	v1.0
Manufacture Date	2023-05-15
Re-Test Date	2031-06-19

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 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, 2024