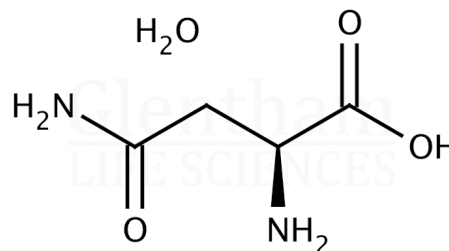


Certificate of Analysis

Product Name	L-Asparagine monohydrate
Glentham Code	GM7827
CAS Number	5794-13-8
EINECS	200-735-9
MDL Number	MFCD00151038
PubChem SID	310267052
Batch Number	097VJX
Molecular Weight	150.14
Molecular Formula	$C_4H_8N_2O_3 \cdot H_2O$
Storage Temp.	+20°C



Property	Specification	Batch 097VJX
Physical Description	White crystalline powder	White crystalline powder
Assay	99.0 - 101.0 %	99.8%
Specific Optical Rotation	34.2 - 36.5 °	35.4 °
Transmittance	≥ 98.0% (430nm)	99.0%
Chloride (Cl)	≤ 0.02%	Conforms
Ammonia (NH4)	≤ 0.1%	Conforms
Sulphate (SO4)	≤ 0.02%	Conforms
Iron (Fe)	≤ 10ppm	Conforms
Heavy Metals	≤ 10ppm	Conforms
Arsenic (As)	≤ 1ppm	Conforms
Mercury (Hg)	≤ 0.1ppm	Conforms
Cadmium (Cd)	≤ 1ppm	Conforms
Loss on Drying	11.5 - 12.5 %	12.2%
pH	4.4 - 6.4	4.6
Residue on Ignition	≤ 0.1%	0.02%
Specification	AJ1	Conforms

Specification Version	v1.0
Manufacture Date	2021-10-20
Re-Test Date	2030-08-25

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 or contact us using the details above for the current version of this document.

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