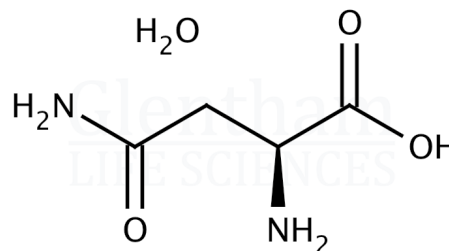


Certificate of Analysis

Product Name L-Asparagine monohydrate
Glenthams Code GM7827
CAS Number 5794-13-8
EINECS 200-735-9
MDL Number MFCD00151038
PubChem SID 310267052
Batch Number 895ZTR

Molecular Weight 150.14
Molecular Formula $C_4H_8N_2O_3 \cdot H_2O$
Storage Temp. +20°C



Property	Specification	Batch 895ZTR
Physical Description	White crystalline powder	White crystalline powder
Assay	99.0 - 101.0 %	99.8%
Specific Optical Rotation	+34.2 - +36.5 °	+35.1°
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 %	12.0%
pH	4.4 - 6.4	4.6
Residue on Ignition	≤ 0.1%	Conforms
Specification	AJ1	Conforms

Specification Version v1.0
Manufacture Date 2023-09-16
Re-Test Date 2032-09-24

Glenthams Life Sciences confirm that the above referenced product conformed to the information displayed in this document on the quality release date. Please check www.glenthams.com or contact us using the details above for the current version of this document.

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