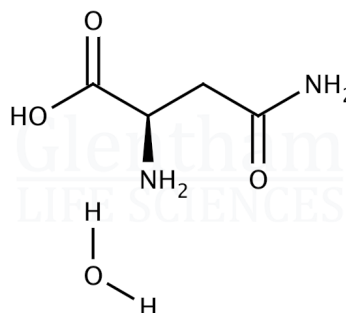


Certificate of Analysis

Product Name D-Asparagine monohydrate
Glentham Code GM5903
CAS Number 5794-24-1
EINECS 218-163-3
MDL Number MFCD00149558
Additional CAS 2058-58-4 (anhydr.)
PubChem SID 310267053
Batch Number 106CMR

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



Property	Specification	Batch 106CMR
Physical Description	White to off-white powder	White powder
Specific Optical Rotation	-33.0 - -37.0 ° (C=5, 5M HCl)	-35.5°
Residue on Ignition	≤ 0.1%	0.03%
Chloride (Cl)	≤ 0.02%	Conforms
Sulphate (SO4)	≤ 0.02%	Conforms
Iron (Fe)	≤ 10ppm	Conforms
Heavy Metals	≤ 10ppm	Conforms
Loss on Drying	11.5 - 12.5 %	11.90%
Assay	98.5 - 101.5 %	101.18%

Specification Version v1.0
Manufacture Date 2013-11-06
Re-Test Date 2025-03-09

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