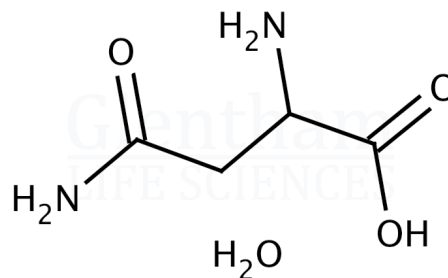


Certificate of Analysis

Product Name	DL-Asparagine monohydrate
Glentham Code	GM5023
CAS Number	3130-87-8
EINECS	221-521-1
MDL Number	MFCD00151039
PubChem SID	310270847
Batch Number	813ENG
Molecular Weight	150.14
Molecular Formula	$C_4H_8N_2O_3 \cdot H_2O$
Storage Temp.	+20°C



Property	Specification	Batch 813ENG
Physical Description	White to off-white crystalline powder	Off-white crystalline powder
Identification (IR)	To conform to standard	Conforms
Specific Optical Rotation ($[\alpha]_{20/D}$)	-0.5 - +0.5 ° (c=4, water)	+0.3°
Loss on Drying	10.5 - 13.5 % (105°C, 1h)	12.1%
Residue on Ignition	≤ 0.1%	0.06%
Assay	99.0 - 101.0 %	99.3%

Specification Version	v1.0
Manufacture Date	2022-03-11
Re-Test Date	2029-04-08

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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