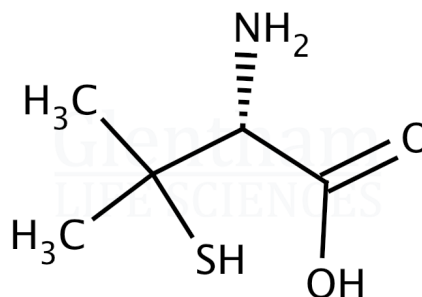


Certificate of Analysis

Product Name	L-Penicillamine
Glentham Code	GM3245
CAS Number	1113-41-3
EINECS	214-203-9
Numéro MDL	MFCD00064303
PubChem SID	310278559
Batch Number	320SWM
Molecular Weight	149.21
Molecular Formula	$C_5H_{11}NO_2S$
Storage Temp.	+20°C



Property	Specification	Batch 320SWM
Physical Description	White or almost white powder	White powder
Solubility (1% in water)	Clear, colourless solution	Conforms
Specific Optical Rotation ($[\alpha]_{20/D}$)	+61.0 - +65.0 ° (c=1, 1M NaOH)	Conforms
Assay	≥ 98.0%	99.5%

Specification Version	v1.0
Manufacture Date	2017-04-25
Re-Test Date	2024-07-17

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, 2025