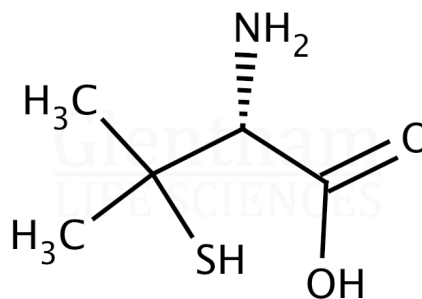


Certificate of Analysis

Product Name L-Penicillamine
Glentham Code GM3245
CAS Number 1113-41-3
EINECS 214-203-9
MDL Number 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.

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