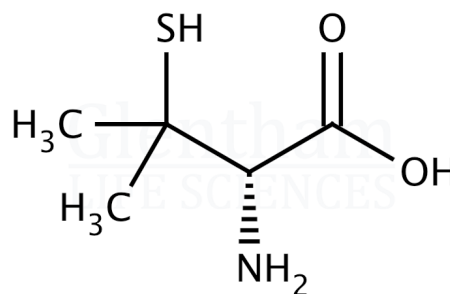


## Certificate of Analysis

Product Name	D-Penicillamine
Glentham Code	GA2413
CAS Number	52-67-5
EINECS	200-148-8
Batch Number	761IYY
Molecular Weight	149.21
Molecular Formula	$C_5H_{11}NO_2S$
Storage Temp.	+4°C



Property	Specification	Batch 761IYY
Physical Description	White to off-white powder	Conforms
Solubility (5% in water)	Clear to faintly turbid, colourless to pale yellow solution	Conforms
Specific Optical Rotation ( $[\alpha]_{20/D}$ )	-61.0 - -65.0 ° (c=1, 1M NaOH)	-62.1°
Assay	98.0 - 101.0 % (dried basis)	100.3%

Specification Version	v1.0
Manufacture Date	2018-06-27
Re-Test Date	2028-05-09

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](http://www.glentham.com) or contact us using the details above for the current version of this document.

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