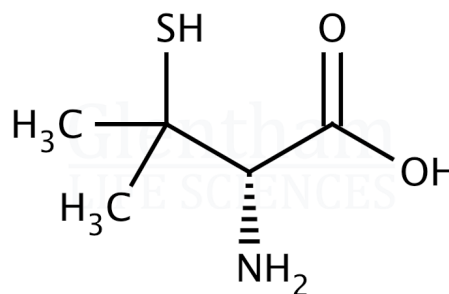


Certificate of Analysis

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 or contact us using the details above for the current version of this document.

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