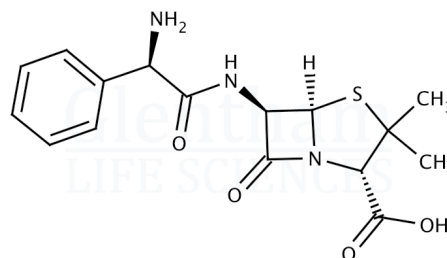


## Product Specification

Product Name	Ampicillin, anhydrous, EP grade
Glentham Code	GA5836
CAS Number	69-53-4
EINECS	200-709-7
MDL Number	MFCD00005175
PubChem SID	310266814
Additional CAS	69-52-3 (Na salt)
Additional CAS	7177-48-2 ( $\cdot 3H_2O$ )

Molecular Weight	349.40
Molecular Formula	$C_{16}H_{19}N_3O_4S$
Storage Temp.	+20°C



Property	Specification
Physical Description	White or almost white crystalline powder
Identification (IR)	To conform to standard
Identification	To pass tests B, C, D
Appearance of Solution	10% in 2N NH <sub>4</sub> OH: To pass test
Appearance of Solution	10% in 1N HCl: To pass test
pH (0.25% in water)	3.5 - 5.5
Specific Optical Rotation	+280 - +305 ° (anhydrous basis)
Any Individual Impurity	≤ 1.0%
N,N-Dimethylaniline	≤ 20ppm
Sulphated Ash	≤ 0.5%
Water	≤ 2.0%
Assay	96.0 - 102.0 % (anhydrous basis)
Pharmacopoeia Specification(s)	EP grade

Specification Version	- v1.1
Date Created	- 2022-08-18

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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