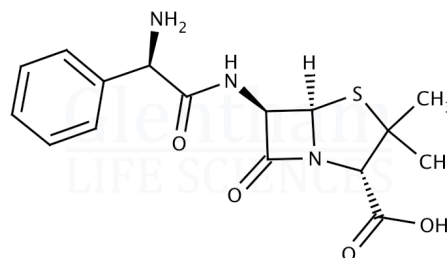


Certificate of Analysis

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 ($\cdot 3H_2O$)
Batch Number	689EAI



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

Property	Specification	Batch 689EAI
Physical Description	White or almost white crystalline powder	Conforms
Identification (IR)	To conform to standard	Conforms
Identification	To pass tests B, C, D	Conforms
Appearance of Solution	10% in 2N NH ₄ OH: To pass test	Conforms
Appearance of Solution	10% in 1N HCl: To pass test	Conforms
pH (0.25% in water)	3.5 - 5.5	4.7
Specific Optical Rotation	+280 - +305 °	+294.6°
Any Individual Impurity	≤ 1.0%	0.10%
N,N-Dimethylaniline	≤ 20ppm	Conforms
Sulphated Ash	≤ 0.5%	≤ 0.1%
Water	≤ 2.0%	0.35%
Purity (HPLC)	96.0 - 102.0 %	98.9
Pharmacopoeia Specification(s)	EP grade	Conforms

Specification Version	v1.0
Manufacture Date	2017-11-01
Re-Test Date	2029-08-09

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.

This document was generated electronically and is therefore valid without signature. © Glentham Life Sciences Ltd, 2024