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## 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 (·3H2O)

Batch Number 689EAI

 $\begin{array}{ll} \mbox{Molecular Weight} & 349.40 \\ \mbox{Molecular Formula} & \mbox{$C_{16}$H}_{19}\mbox{$N_3$O}_4\mbox{S} \\ \mbox{Storage Temp.} & +20\ensuremath{\,^{\circ}\text{C}} \end{array}$ 

NH<sub>2</sub>
H
N
CH<sub>3</sub>
OH

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 NH4OH: 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.

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Page 1 of 1 Printed: 2024-05-17 07:27:25