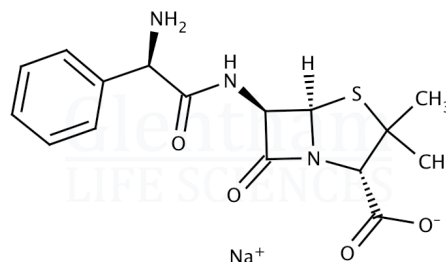


Certificate of Analysis

Product Name Ampicillin sodium salt, EP grade
Glentham Code GA2189
CAS Number 69-52-3
EINECS 200-708-1
MDL Number MFCD00064313
Additional CAS 69-53-4
Batch Number 533XKB

Molecular Weight 371.39
Molecular Formula $C_{16}H_{18}N_3NaO_4S$
Storage Temp. +4°C



Property	Specification	Batch 533XKB
Physical Description	White or almost white crystalline powder	Conforms
Identification	A, B, C, D according to EP	Conforms
Appearance of Solution	Solutions A, B to pass test	Conforms
Absorbance	≤ 0.15 (solution B, 430nm)	0.02
Solubility (5% in water)	Clear, colourless to very faint yellow solution	Conforms
pH (10% in water)	8.0 - 10.0	9.2
Specific Optical Rotation	+258 - +287 ° (anhydrous substance)	+279 °
Ampicillin Dimer	$\leq 4.5\%$	2.5%
Any Other Individual Impurity	$\leq 2.0\%$	0.6%
N,N-Dimethylaniline	$\leq 20\text{ppm}$	Conforms
2-Ethylhexanoic acid	$\leq 0.8\%$	Conforms
Methylene Chloride	$\leq 0.2\%$	0.01%
Heavy Metals	$\leq 20\text{ppm}$	Conforms
Water	$\leq 2.0\%$	0.8%
Assay	91.0 - 102.0 % (anhydrous substance)	94.7%
Pharmacopoeia Specification(s)	EP	Conforms

Specification Version v1.0
Manufacture Date 2021-03-15
Re-Test Date 2029-07-14

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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