

Certificate of Analysis

Product Name Ampicillin trihydrate, Ph. Eur. grade
Glentham Code GA0211
CAS Number 7177-48-2
EINECS 200-709-7
MDL Number MFCD00072036
Additional CAS 69-53-4 (anhydrous)
Batch Number 893IML

Molecular Weight 403.45
Molecular Formula $C_{16}H_{19}N_3O_4S \cdot 3H_2O$
Storage Temp. +4°C



Property	Specification	Batch 893IML
Physical Description	White or almost white crystalline powder	White crystalline powder
Identification (IR)	To conform to standard	Conforms
Identification (TLC)	To pass test	Conforms
Identification	To pass test C	Conforms
Appearance of Solution	1g + 10ml 1M HCl: colour ≤ Ref. Sus. II	Conforms
	1g + 10ml: 2M NH4OH: colour ≤ Ref. Sus. II	Conforms
pH (0.25% in water)	3.5 - 5.5	Conforms
Specific Optical Rotation	+280 - +305 ° (62.5mg in 25ml water, anhy.)	+297 °
Related Substances (HPLC)	≤ 1.0% (any impurity)	Conforms
Water	12.0 - 15.0 %	13.3%
Sulphated Ash	≤ 0.5%	≤ 0.1%
Assay (HPLC)	96.0 - 102.0 % (anhydrous basis)	96.9%
Pharmacopoeia Specification(s)	Ph. Eur.	Conforms

Specification Version v1.0
Manufacture Date 2019-10-09
Re-Test Date 2028-02-26

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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