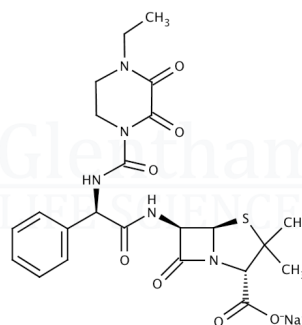


Certificate of Analysis

Product Name Piperacillin sodium salt
Glentham Code GA4134
CAS Number 59703-84-3
EINECS 261-868-6
MDL Number MFCD00917471
PubChem SID 310279034
Additional CAS 61477-96-1
Batch Number 041FRB

Molecular Weight 539.54
Molecular Formula $C_{23}H_{26}N_5NaO_7S$
Storage Temp. +4°C



Property	Specification	Batch 041FRB
Physical Description	White to off-white powder	White powder
Identification	A, B according to USP	Conforms
pH	5.5 - 7.5 (400mg/ml, water)	6.5
Water	≤ 1.0%	0.9%
Impurity A	≤ 3.5%	0.35%
Impurity C	≤ 1.0%	0.06%
Assay	863 - 1007 µg/mg (C ₂₃ H ₂₇ N ₅ O ₇ S, anhydrous basis)	946µg/mg
Pharmacopoeia Specification(s)	Conforms to USP	Conforms to USP

Specification Version v1.1
Manufacture Date 2020-02-02
Re-Test Date 2029-05-01

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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