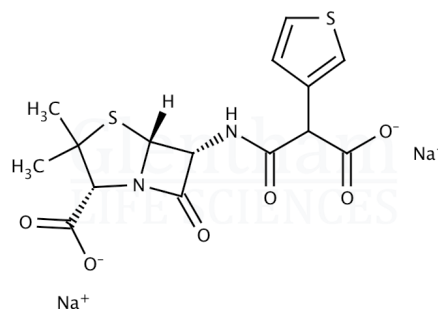


Certificate of Analysis

Product Name	Ticarcillin disodium salt
Glentham Code	GA1874
CAS Number	4697-14-7
MDL Number	MFCD07787410
PubChem SID	310280993
Additional CAS	29457-07-6
Additional CAS	34787-01-4
Batch Number	984FLW

Molecular Weight	428.39
Molecular Formula	$C_{15}H_{14}N_2Na_2O_6S_2$
Storage Temp.	+4°C



Property	Specification	Batch 984FLW
Physical Description	White to pale yellow powder	Off-white crystalline powder
Identification (IR)	To conform to standard	Conforms
Solubility (5% in water)	Clear, colourless to pale yellow solution	Pale yellow solution
pH	6.0 - 8.0 (10mg/ml of ticarcillin in water)	7.1
Specific Optical Rotation ($[\alpha]_{20/D}$)	+172.0 - +187.0 ° (c=1, water)	+180.0 °
Water	≤ 6.0%	2.8%
Potency (anhydrous basis)	≥ 800µg/mg ($C_{15}H_{16}N_2O_6S_2$)	826µg/mg
Assay (anhydrous basis)	≥ 95.0%	96.5%

Specification Version	v1.1
Manufacture Date	2022-01-17
Re-Test Date	2029-04-20

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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