

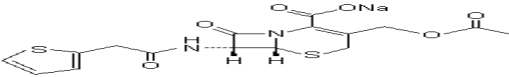


HAIQIANG CHEMICALS CO., LTD

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CERTIFICATE OF ANALYSIS

NO: HQC081309301

Product name	Cephalothin sodium, USP32
CAS Number	58-71-9
Molecule Structure	
Molecule Formula	C ₁₆ H ₁₆ N ₂ NaO ₆ S ₂
Batch number	20130925
Manuf.&Exp. Date	2013-09-25, 2015-09-24
Testing date	2013-09-25

Items	Standard	Result
Appearance	White or almost white crystalline powder	Confirm
Identification -By UV(25ug/ml in water) -Sodium	The UV absorption spectrum of the sample solution exhibits maxima and minima at the same wavelengths as that of the standard solution. It responds to the tests for Sodium	Complies Complies
Specific optical rotation	+124° ~+134°	+129.8°
Crystallinity	Should be crystalline	Crystalline
PH(250mg/ml in water)	4.5-7.0	6.03
Loss on drying	1.5% max	0.3%
Related compounds(by HPLC)	Individual: 1.0% max Total impurities: 3.0% max	0.32% 0.40%
Residual solvent	Acetone: 0.5% max	0.15%
Bacterial endotoxins(EU/mg)	0.13% max	Complies
Sterility	Meets the requirement	Complies
Assay(by HPLC) Contains C ₁₆ H ₁₆ N ₂ O ₆ S ₂ , calculated on dry base)	850ug/mg min	963.5ug/mg
Conclusion	The products complies the standard of USP32.	

HAIQIANG CHEMICALS CO.LTD
QUALITY CONTROL:
QUALITY CONTROL DEP.

CHECK:姚仙娟

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