



Molekula Limited
Lingfield Way
Darlington
County Durham
DL1 4XX
United Kingdom
+44 (0) 3302 000333
info@molekula.com

Specification

Technical Data Sheet

Product Name	Cefoxitin sodium salt
Product No	40351828
CAS Number	33564-30-6
Storage Temperature	2 to 8 °C
Molecular Weight	449.44
	Specification
Water	<1.0%
Specific rotation	+206 °C~+214 °C
Conclusion	This product complies with USP Standard
Heavy metals	<0.002%
pH	4.2~7.0
Bacterial endotoxin	<0.2EU/mg
Solubility	Very soluble in water. Soluble in methanol. Sparingly soluble in DMF and acetone. Insoluble in ether and chloroform
Sterility	Meets the requirement
Retest Date	2 years from previous retest
Crystallinity	Meets the requirement
Appearance	White to off-white, granules or powder
Manufacturing Date	18/05/2012
Assay (Anhydrous)	92.7~97.0% (As C ₁₆ H ₁₆ N ₃ O ₇ S ₂); 97.5~102.0% (As C ₁₆ H ₁₆ N ₃ NAO ₇ S ₂)
Identification	A: The chromatogram of the assay preparation obtained as directed in the assay exhibits a major peak for cefoxitin, the retention time of which corresponds to that exhibited in the chromatogram of the standard preparation obtained as directed in the Assay. B: UV. C: It responds to tests for sodium.
Limit of Acetone	<0.7%
Limit of Methanol	<0.1%