



西安菲斯弗生物科技有限公司

Xi'an Faithful Biological Technology Co., Ltd.

Certificate of Analysis-Cephalexin

CAS: 15686-71-2

Batch Number: FTF0240326 Batch Quantity: 160kg

Manufacture Date: Mar.24th,2024 Analysis Date: Mar.25th,2024 Certificate Date: Mar.26th,2024

Storage Store in cool & dry place. Store in well-closed containers.
Shelf life 3 years when properly stored.

Items	Standard	Result
Appearance	White or almost white crystalline powder	Complies
Solubility	Sparingly soluble in water, practically insoluble in alcohol	Complies
Identification	The IR spectrum confirm to that of reference standard	Complies
pH	3.0~5.5	4.3
Specific optical rotation	+149° ~ +158°	+155°
Related substances	Any other impurity 1.0% max	0.14%
	Total impurities 5.0% max	0.24%
N,N-Dimethylformamide	0.088% max	Not found
Acetone	0.3% max	0.03%
Dichloromethane	0.06% max	Not found
Water	4.0%~8.0%	4.8%
Sulphated ash	0.2% max	<0.1%
Assay, on dry base	95.0%~103.0%(C ₁₆ H ₁₇ N ₃ O ₄ S)	98.9%
Bulk density	ρ untapped=0.63g/ml , ρ tapped=0.77g/ml	

Conclusion: Conform with enterprise specification .

QC MANAGER: 刘娟 INSPECTOR: 黄子烨

