



西安菲斯弗生物科技有限公司

Xi'an Faithful Biological Technology Co., Ltd.

Certificate of Analysis-Silver sulfadiazine

CAS: 22199-08-2

Batch Number: FTF0250127 Batch Quantity: 100kg

Manufacture Date: Jan.25th,2025 Analysis Date: Jan.26th,2025 Certificate Date: Jan.27th,2025

Storage Store in cool & dry place. Store in well-closed containers.

Shelf life 3 years when properly stored.

Item	Standard	Results
Appearance	White to creamy-white,crystalline powder,odorless to having a slight odor.Is stable in air,but turns yellow on exposure to light	Conforms
Solubility	Freely soluble in 30%ammonium solution;slightly soluble in acetone;practically insoluble in alcohol,in chloroform,and in ether.Decomposes in moderately strong mineral acids.	Conforms
Identification	A:Infrared Absorption<197>	Conforms
	B:The retention time of the major peak of the Samplesolution corresponds to that of the Standard solution,as obtained in the Assay	Conforms
	C:Chemical Identification Tests,Silver:Meets the requirements	Conforms
Loss on Drying	≤0.5%	0.10%
Limit of Nitrate	≤0.1%	0.03%
Organic Impurities	Sulfanilic acid≤0.3%	<0.05%(DL)
	Sulfaquanidine≤0.10%	<0.05%(DL)
	Sulfanilamide≤0.10%	<0.05%(DL)
	2-Aminopyrimidine≤0.3%	<0.05%(DL)
	Acetylsulfadiazine≤0.2%	<0.05%(DL)
	Specified unidentified impurity (RRT1.28)≤0.15%	0.060%
	Individual unspecified impurity≤0.10%	<0.05%(DL)
	Total impurities≤0.5%	<0.22%
Content of Silver	29.3~30.5%	29.81%
Assay(on the dried basis)	98.0~102.0%	99.47%

Conclusion: Conform with enterprise specification .

QC MANAGER: 刘娟 INSPECTOR: 黄子烨

