

## CERTIFICATE OF ANALYSIS

<b>Product Name</b>	Sulfadiazine Silver	<b>Specification</b>	USP43
<b>Quantity</b>	10KG	<b>Packing</b>	10Kg/Drum
<b>Batch No.</b>	20230102	<b>Manufacture Date</b>	January 7, 2023
<b>Release Date</b>	January 14, 2023	<b>Expiry Date</b>	January 7, 2026
<b>Analytical Results</b>			
<b>Items</b>	<b>Specifications</b>	<b>Results</b>	
<b>Appearance</b>	White to creamy-white,crystalline powder,odorless to having a slight odor,Is stable in air,but turns yellow on exposure to light.	Conforms	
<b>Solubility</b>	Freely soluble in30% ammonium solution;slightly soluble in acetone;practically insoluble in alcohol,in Chloroform ,and in ether,Decomposes in moderately strong mineral acids.	Conforms	
<b>Identification</b>	A: Infrared absorption < 197 >	Conforms	
	B: The retention time of the major peak of the sample solution corresponds to that of the standard solution, as obtained in the Assay.		
	C: Chemical Identification Tests,Silver : Meets the requirements.	Conforms	
<b>Loss on drying</b>	≤0.5%	0.09%	
<b>Limit of Nitrate</b>	≤0.1%	0.03%	
<b>Organic impurities</b>	Sulfanilic acid ≤0.3%	<0.05% (DL)	
	Sulfaquanidine ≤ 0.1%	<0.05% (DL)	
	Sulfanilamide ≤0.1%	<0.05% (DL)	
	2-Aminopyrimidine ≤0.3%	<0.05% (DL)	
	Acetylsulfadiazine ≤ 0.2%	<0.05% (DL)	
	Specified unidentified impurity (RRT 1.28) ≤0.15%	0.110%	
	Individual unspecified impurity ≤ 0.10%	<0.05% (DL)	
	Total impurities ≤0.5%	0.23%	
<b>Content of Silver</b>	29.3% ~ 30.5%	29.84%	
<b>Assay (on the dried basis)</b>	98.0% ~ 102.0%	99.70%	
<b>Particle Size</b>	90%≤40μm	Conforms	
<b>Conclusion</b>	It is hereby certificated that the quality is in conformity with the requirements of order.		

Inspector: Carlifor Wu



Verifier: Jack He