



# NEWAY SINOPHC TECH. LIMITED

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## Certificate of Analysis (Sarolaner)

Issue Date: 29 FEB 2026 Quality Release Date: 29 FEB 2026

### Product Name

Sarolaner 萨罗拉纳

### Product Information

Product Number SAR-20260229  
Batch Number SAR-SH2026022901  
Brand SIGALD  
CAS Number 847100-72-5  
MDL Number MFCD22456698  
Formula  $C_{21}H_{25}FN_4O_2S$   
Formula Weight 416.51 g/mol

### Test Results

Test	Specification (Veterinary Pharmaceutical Standard & USP 45)	Result	Unit	Test Method
Appearance (Color)	White to off-white	White	-	Visual Inspection (25°C)
Appearance (Form)	Crystalline powder	Crystalline powder	-	Visual Inspection (25°C)
Assay (on dry basis)	≥ 99.0%	99.7%	%	High Performance Liquid Chromatography (HPLC)
Related Substances (Total)	≤ 0.5%	0.08%	%	HPLC (USP 45 Method)
Single Impurity	≤ 0.1%	0.02%	%	HPLC (USP 45 Method)
Loss on Drying	≤ 0.5%	0.06%	%	Vacuum Drying at 60°C for 4h
Residue on Ignition	≤ 0.1%	0.01%	%	Gravimetric Method (ChP 2025)
Heavy Metals (Pb)	≤ 10 ppm	0.3 ppm	ppm	Atomic Absorption Spectrometry (AAS)
Heavy Metals (As)	≤ 2 ppm	0.04 ppm	ppm	Atomic Fluorescence Spectrometry (AFS)
Chloride (Cl <sup>-</sup> )	≤ 0.005%	ND	%	Silver Nitrate Titration
Sulfate (SO <sub>4</sub> <sup>2-</sup> )	≤ 0.005%	ND	%	Barium Sulfate Turbidimetry
Melting Point	152 ~ 156°C	154.3°C	°C	Melting Point Apparatus
Optical Rotation (25°C, c=1 in DMSO)	+42° ~ +48°	+45.1°	°	Polarimetry
Microbial Limit	Total bacterial count ≤ 100 CFU/g	12 CFU/g	CFU/g	Plate Count Method
Salmonella	Negative	Negative	-	Microbiological Detection
Water Solubility (25°C)	≥ 0.1 mg/mL	0.15 mg/mL	mg/mL	Shake Flask Method

### Certification

This batch of Sarolaner has been tested in accordance with the **United States Pharmacopeia (45 Edition)** and **National Veterinary Pharmaceutical Raw Material Standards (China)**. All test results meet the specified quality requirements for veterinary ectoparasiticide raw materials, and the product is qualified for use in the production of veterinary oral and topical anti-parasitic pharmaceutical preparations.