



# NEWAY SINOPHC TECH. LIMITED

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## Certificate of Analysis (COA)

Quality Release Date: 08 FEB 2026 Issue Date: 08 FEB 2026

### Product Information

Product Name Artemisinin  
Product Number AR-20260208  
Batch Number AR-SH2026020801  
Brand SIGALD  
CAS Number 63968-64-9  
MDL Number MFCD00081024  
Formula  $C_{15}H_{22}O_5$   
Formula Weight 282.33 g/mol

### Test Results

Test	Specification (Pharmacopoeial/Industrial Standard)	Result	Unit	Test Method
Appearance (Color)	White to off-white	White	-	Visual Inspection
Appearance (Form)	Crystalline powder	Crystalline powder	-	Visual Inspection
Assay (Purity)	≥ 98.5%	99.4%	%	High Performance Liquid Chromatography (HPLC)
Loss on Drying	≤ 0.5%	0.2%	%	Gravimetric Method (105°C, 2h)
Residue on Ignition	≤ 0.1%	0.03%	%	Ignition at 600°C±50°C
Heavy Metals (Pb)	≤ 5 ppm	1.5 ppm	ppm	Atomic Absorption Spectrometry (AAS)
Heavy Metals (As)	≤ 1 ppm	0.2 ppm	ppm	Atomic Fluorescence Spectrometry (AFS)
Heavy Metals (Hg)	≤ 0.1 ppm	0.03 ppm	ppm	Cold Vapor Atomic Absorption
Melting Point	150-153°C	152°C	°C	Melting Point Apparatus
Specific Rotation (25°C, CHCl <sub>3</sub> )	+75° to +85°	+81°	°	Polarimeter
Solubility in Ethanol (25°C)	Soluble (1 g/10mL)	1.2 g/10mL	g/10mL	Solubility Test
Related Substances	≤ 1.0%	0.4%	%	HPLC
Residual Solvents	Meets USP limits	Compliant	-	Gas Chromatography (GC)
Microbial Limit	Total Aerobic Count ≤100 CFU/g	22 CFU/g	CFU/g	Plate Count Method
E. coli	Negative	Negative	-	Microbiological Detection
Supplier Information	Confirmed	Confirmed	-	-
Registered Trademark	Confirmed	Confirmed	-	-

### Certification

This batch of product has been tested in accordance with Chinese Pharmacopoeia (CP) and international industrial standards for Artemisinin and meets all specified requirements. It is qualified for use.