



NEWAY SINOPHC TECH. LIMITED

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Certificate of Analysis (COA)

Quality Release Date: 12 FEB 2026 Issue Date: 12 FEB 2026

Product Information

Product Name Artemether
Product Number AME-20260212
Batch Number AME-SH2026021201
Brand SIGALD
CAS Number 71963-77-4
MDL Number MFCD00869938
Formula $C_{16}H_{26}O_5$
Formula Weight 298.37 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)	≥ 99.0%	99.7%	%	High Performance Liquid Chromatography (HPLC)
Loss on Drying	≤ 0.5%	0.21%	%	Gravimetric Method (105°C, 2h)
Residue on Ignition	≤ 0.1%	0.02%	%	Ignition at 600°C±50°C
Heavy Metals (Pb)	≤ 5 ppm	1.0 ppm	ppm	Atomic Absorption Spectrometry (AAS)
Heavy Metals (As)	≤ 1 ppm	0.1 ppm	ppm	Atomic Fluorescence Spectrometry (AFS)
Heavy Metals (Hg)	≤ 0.1 ppm	0.02 ppm	ppm	Cold Vapor Atomic Absorption
Melting Point	86-90°C	88°C	°C	Melting Point Apparatus
Specific Rotation (25°C, CHCl ₃)	+168° to +178°	+173°	°	Polarimeter
Solubility in Chloroform (25°C)	Soluble (1 g/3mL)	1.4 g/3mL	g/10mL	Solubility Test
Related Substances	≤ 0.8%	0.3%	%	HPLC
Residual Solvents	Meets USP <467> limits	Compliant	-	Gas Chromatography (GC)
Total Aerobic Count	≤ 100 CFU/g	17 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 pharmacopoeial standards for Artemether and meets all specified requirements. It is qualified for use.