



NEWAY SINOPHC TECH. LIMITED

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Certificate of Analysis (COA)

Quality Release Date: 10 FEB 2026 Issue Date: 10 FEB 2026

Product Information

Product Name Deoxyartemisinin
Product Number DOA-20260210
Batch Number DOA-SH2026021001
Brand SIGALD
CAS Number 72826-63-2
MDL Number MFCD00210967
Formula $C_{15}H_{22}O_4$
Formula Weight 266.33 g/mol

Test Results

Test	Specification (Industrial/Research Standard)	Result	Unit	Test Method
Appearance (Color)	White to pale yellow	White	-	Visual Inspection
Appearance (Form)	Crystalline powder	Crystalline powder	-	Visual Inspection
Assay (Purity)	≥ 98.5%	99.2%	%	High Performance Liquid Chromatography (HPLC)
Loss on Drying	≤ 0.8%	0.25%	%	Gravimetric Method (105°C, 2h)
Residue on Ignition	≤ 0.1%	0.03%	%	Ignition at 600°C±50°C
Heavy Metals (Pb)	≤ 5 ppm	1.3 ppm	ppm	Atomic Absorption Spectrometry (AAS)
Heavy Metals (As)	≤ 1 ppm	0.2 ppm	ppm	Atomic Fluorescence Spectrometry (AFS)
Melting Point	138-143°C	141°C	°C	Melting Point Apparatus
Specific Rotation (25°C, CHCl ₃)	+65° to +75°	+70°	°	Polarimeter
Solubility in Chloroform (25°C)	Soluble (1 g/4mL)	1.2 g/4mL	g/4mL	Solubility Test
Related Substances	≤ 1.0%	0.4%	%	HPLC
Residual Solvents	Meets USP <467> limits	Compliant	-	Gas Chromatography (GC)
Total Aerobic Count	≤ 200 CFU/g	31 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 international industrial and research standards for Deoxyartemisinin and meets all specified requirements. It is qualified for use.