



NEWAY SINOPHC TECH. LIMITED

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Certificate of Analysis (COA)

Quality Release Date: 24 FEB 2026 Issue Date: 24 FEB 2026

Product Information

Product Name Mefloquine
Product Number MEF-20260224
Batch Number MEF-SH2026022401
Brand SIGALD
CAS Number 59635-93-3
MDL Number MFCD00072056
Formula $C_{17}H_{16}F_6N_2O$
Formula Weight 378.32 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, on dry basis)	$\geq 98.5\%$	99.1%	%	High Performance Liquid Chromatography (HPLC)
Loss on Drying	$\leq 0.5\%$	0.32%	%	Gravimetric Method (105°C, 2h)
Residue on Ignition	$\leq 0.1\%$	0.02%	%	Ignition at 600°C±50°C
Heavy Metals (Pb)	≤ 5 ppm	0.7 ppm	ppm	Atomic Absorption Spectrometry (AAS)
Heavy Metals (As)	≤ 1 ppm	0.1 ppm	ppm	Atomic Fluorescence Spectrometry (AFS)
Melting Point	250-255°C (decomp)	253°C	°C	Melting Point Apparatus
Solubility in Ethanol (25°C)	Sparingly soluble	1g/180mL	g/mL	Solubility Test
Related Substances	$\leq 1.0\%$	0.3%	%	HPLC
Residual Solvents	Meets USP <467> limits	Compliant	-	Gas Chromatography (GC)
Total Aerobic Count	≤ 100 CFU/g	14 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 Mefloquine and meets all specified requirements. It is qualified for use.