



NEWAY SINOPHC TECH. LIMITED

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Certificate of Analysis (COA)

Quality Release Date: 22 FEB 2026 Issue Date: 22 FEB 2026

Product Information

Product Name Primaquine Phosphate
Product Number PPP-20260222
Batch Number PPP-SH2026022201
Brand SIGALD
CAS Number 150-99-2
MDL Number MFCD00010757
Formula $C_{15}H_{21}N_3O \cdot 2H_3PO_4$
Formula Weight 455.34 g/mol

Test Results

Test	Specification (Pharmacopoeial/Industrial Standard)	Result	Unit	Test Method
Appearance (Color)	Orange-red to red	Orange-red	-	Visual Inspection
Appearance (Form)	Crystalline powder	Crystalline powder	-	Visual Inspection
Assay (Purity, on dry basis)	≥ 98.0%	98.8%	%	High Performance Liquid Chromatography (HPLC)
Loss on Drying	≤ 2.0%	1.1%	%	Gravimetric Method (105°C, 2h)
Residue on Ignition	≤ 0.1%	0.03%	%	Ignition at 600°C±50°C
Heavy Metals (Pb)	≤ 5 ppm	1.0 ppm	ppm	Atomic Absorption Spectrometry (AAS)
Heavy Metals (As)	≤ 1 ppm	0.2 ppm	ppm	Atomic Fluorescence Spectrometry (AFS)
Melting Point	200-205°C (decomp)	203°C	°C	Melting Point Apparatus
pH Value (1% aqueous solution, 25°C)	4.0-5.0	4.5	-	Digital pH Meter
Solubility in Water (25°C)	Freely soluble	1g/1.2mL	g/mL	Solubility Test
Related Substances	≤ 1.5%	0.6%	%	HPLC
Residual Solvents	Meets USP <467> limits	Compliant	-	Gas Chromatography (GC)
Phosphate Content	34.0-36.0%	35.2%	%	Volumetric Method (EDTA titration)
Total Aerobic Count	≤ 100 CFU/g	18 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 Primaquine Phosphate and meets all specified requirements. It is qualified for use.