



NEWAY SINOPHC TECH. LIMITED

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Certificate of Analysis (COA)

Quality Release Date: 16 FEB 2026 Issue Date: 16 FEB 2026

Product Information

Product Name Pyrimethamine
Product Number PYR-20260216
Batch Number PYR-SH2026021601
Brand SIGALD
CAS Number 58-14-0
MDL Number MFCD00006097
Formula $C_{12}H_{13}N_4$
Formula Weight 248.71 g/mol

Test Results

Test	Specification (Pharmacopoeial/Industrial Standard)	Result	Unit	Test Method
Appearance (Color)	White to creamy white	White	-	Visual Inspection
Appearance (Form)	Crystalline powder	Crystalline powder	-	Visual Inspection
Assay (Purity)	$\geq 99.0\%$	99.5%	%	High Performance Liquid Chromatography (HPLC)
Loss on Drying	$\leq 0.5\%$	0.19%	%	Gravimetric Method (105°C, 2h)
Residue on Ignition	$\leq 0.1\%$	0.02%	%	Ignition at 600°C±50°C
Heavy Metals (Pb)	≤ 5 ppm	0.9 ppm	ppm	Atomic Absorption Spectrometry (AAS)
Heavy Metals (As)	≤ 1 ppm	0.1 ppm	ppm	Atomic Fluorescence Spectrometry (AFS)
Melting Point	237-242°C	240°C	°C	Melting Point Apparatus
Solubility in Ethanol (25°C)	Sparingly soluble (1g/200mL)	1g/195mL	g/mL	Solubility Test
Related Substances	$\leq 0.8\%$	0.3%	%	HPLC
Residual Solvents	Meets USP <467> limits	Compliant	-	Gas Chromatography (GC)
Total Aerobic Count	≤ 100 CFU/g	15 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 Pyrimethamine and meets all specified requirements. It is qualified for use.