



NEWAY SINOPHC TECH. LIMITED

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Certificate of Analysis (COA)

Quality Release Date: 28 FEB 2026 Issue Date: 28 FEB 2026

Product Information

Product Name Sulfadoxine
Product Number SDX-20260228
Batch Number SDX-SH2026022801
Brand SIGALD
CAS Number 2447-57-6
MDL Number MFCD00007905
Formula $C_{12}H_{14}N_4O_2S$
Formula Weight 278.33 g/mol

Test	Specification (Pharmacopoeial/Industrial Standard)	Result	Unit	Test Method
Appearance (Color)	White to off-white	Off-white	-	Visual Inspection
Appearance (Form)	Crystalline powder	Crystalline powder	-	Visual Inspection
Assay (Purity, on dry basis)	≥ 99.0%	99.5%	%	High Performance Liquid Chromatography (HPLC)
Loss on Drying	≤ 0.5%	0.28%	%	Gravimetric Method (105°C, 2h)
Residue on Ignition	≤ 0.1%	0.02%	%	Ignition at 600°C±50°C
Heavy Metals (Pb)	≤ 5 ppm	0.6 ppm	ppm	Atomic Absorption Spectrometry (AAS)
Heavy Metals (As)	≤ 1 ppm	0.1 ppm	ppm	Atomic Fluorescence Spectrometry (AFS)
Melting Point	195-200°C	198°C	°C	Melting Point Apparatus
pH Value (1% suspension, 25°C)	5.5-7.5	6.2	-	Digital pH Meter
Solubility in Acetone (25°C)	Sparingly soluble	1g/120mL	g/mL	Solubility Test
Related Substances	≤ 0.5%	0.2%	%	HPLC
Residual Solvents	Meets USP <467> limits	Compliant	-	Gas Chromatography (GC)
Total Aerobic Count	≤ 100 CFU/g	11 CFU/g	CFU/g	Plate Count Method
E. coli	Negative	Negative	-	Microbiological Detection
Supplier Information	Confirmed	Confirmed	-	-
Registered Trademark	Confirmed	Confirmed	-	-

Test Results

Certification

This batch of product has been tested in accordance with Chinese Pharmacopoeia (CP) and international pharmacopoeial standards for Sulfadoxine and meets all specified requirements. It is qualified for use.