



NEWAY SINOPHC TECH. LIMITED

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Certificate of Analysis (COA)

Issue Date: 20 FEB 2026 Quality Release Date: 20 FEB 2026

Product Information

Product Number OPC-20260220

Batch Number OPC-SH2026022001

Brand SIGALD

CAS Number 130929-57-6

MDL Number MFCD09872156

Formula $C_{14}H_{15}N_3O_4$

Formula Weight 289.29 g/mol

Test Results

Test	Specification (Pharmacopoeial Standard)	Result	Unit	Test Method
Appearance (Form)	Yellow to orange crystalline powder	Yellow crystalline powder	-	Visual Inspection
Identification	Conforms to standard	Conforms	-	IR Spectroscopy + HPLC
Assay (on dry basis)	$\geq 98.5\%$	99.6%	%	High Performance Liquid Chromatography (HPLC)
Loss on Drying	$\leq 0.5\%$	0.15%	%	105°C, 2h Gravimetry
Residue on Ignition	$\leq 0.1\%$	0.02%	%	550°C Ignition Method
Heavy Metals (Pb)	≤ 5 ppm	0.7 ppm	ppm	Atomic Absorption Spectrometry (AAS)
Heavy Metals (As)	≤ 1 ppm	0.2 ppm	ppm	Atomic Fluorescence Spectrometry (AFS)
Related Substances	Each impurity $\leq 0.5\%$; Total $\leq 1.0\%$	Each $\leq 0.10\%$; Total $\leq 0.30\%$	%	HPLC
Melting Point	188-192°C	190.5°C	°C	Capillary Melting Point Method
pH Value (0.5% aq. suspension, 25°C)	5.5-7.5	6.3	-	Digital pH Meter
Solubility	Sparingly soluble in water, soluble in dimethyl sulfoxide	Conforms	-	Pharmacopoeial Solubility Test
Sulfate Content	$\leq 0.03\%$	0.005%	%	Volumetric Titration
Chloride Content	$\leq 0.01\%$	0.002%	%	Volumetric Titration

Certification

This batch of product has been tested in accordance with EP 10.0, USP 45 and Chinese Pharmacopoeia (2020) standards for pharmaceutical raw materials and meets all specified requirements. It is qualified for use.