



NEWAY SINOPHC TECH. LIMITED

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Certificate of Analysis (COA)

Product Name: Hydrocortisone **Product Information** **Product Number:** HDC-20260212 **Batch Number:** HDC-SH2026021201 **Brand:** SIGALDCAS **Number:** 50-23-7 **Molecular Formula:** C₂₁H₃₀ O₅ **Molecular Weight:** 362.46 g/mol **Quality Release Date:** 12 FEB 2026

Test Results

Test	Specification (Industry Standard)	Result	Unit	Test Method
Appearance	White to off-white crystalline powder	White crystalline powder	-	Visual Inspection
Assay (HPLC)	≥ 98.5%	99.2%	%	High Performance Liquid Chromatography
Melting Point	214-220°C (decomposes)	217.5°C	°C	Capillary Melting Point Method
Loss on Drying	≤ 0.5%	0.13%	%	105°C Constant Weight Method
Residue on Ignition	≤ 0.1%	0.02%	%	Gravimetric Method
Heavy Metals (Pb)	≤ 10 ppm	0.8 ppm	ppm	Atomic Absorption Spectrometry (AAS)
Heavy Metals (As)	≤ 2 ppm	0.1 ppm	ppm	Atomic Fluorescence Spectrometry (AFS)
Related Substances (Total)	≤ 1.0%	0.27%	%	High Performance Liquid Chromatography
Related Substances (Single)	≤ 0.3%	0.08%	%	High Performance Liquid Chromatography
Optical Rotation (c=1, EtOH)	+162° to +169°	+165.6°	°	Polarimetry
Solubility Test	Soluble in ethanol, chloroform; slightly soluble in water	Complies	-	Solubility Test Method

Certification This batch of product has been tested in accordance with the relevant industrial standards for Hydrocortisone and meets all specified requirements. It is qualified for use.

Issue Date: 12 FEB 2026