



# NEWAY SINOPHC TECH. LIMITED

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## Certificate of Analysis (COA)

**Product Name:** Progesterone

### Product Information

Product Number: PRO-20260222

Batch Number: PRO-SH2026022201

Brand: SIGALD

CAS Number: 57-83-0

Molecular Formula:  $C_{21}H_{30}O_2$

Molecular Weight: 314.46 g/mol

Quality Release Date: 22 FEB 2026

### Test Results

Test	Specification (Industry Standard)	Result	Unit	Test Method
Appearance	White to creamy white crystalline powder	White crystalline powder	-	Visual Inspection
Assay (HPLC)	$\geq 98.0\%$	98.9%	%	High Performance Liquid Chromatography
Melting Point	128-131 °C	129.5 °C	°C	Capillary Melting Point Method
Loss on Drying	$\leq 0.5\%$	0.14%	%	105 °C Constant Weight Method
Residue on Ignition	$\leq 0.1\%$	0.02%	%	Gravimetric Method
Heavy Metals (Pb)	$\leq 10$ ppm	1.0 ppm	ppm	Atomic Absorption Spectrometry (AAS)
Heavy Metals (As)	$\leq 2$ ppm	0.1 ppm	ppm	Atomic Fluorescence Spectrometry (AFS)
Related Substances (Total)	$\leq 1.5\%$	0.38%	%	High Performance Liquid Chromatography
Related Substances (Single)	$\leq 0.5\%$	0.11%	%	High Performance Liquid Chromatography
Optical Rotation (c=1, EtOH)	+186° to +198°	+192.3°	°	Polarimetry
Solubility Test	Soluble in ethanol, chloroform; insoluble in water	Complies	-	Solubility Test Method

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

**Issue Date:** 22 FEB 2026