



NEWAY SINOPHC TECH. LIMITED

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Certificate of Analysis (COA)

Product Name: Estradiol

Product Information

Product Number: E2-20260227

Batch Number: E2-SH2026022701

Brand: SIGALD

CAS Number: 50-28-2

Molecular Formula: $C_{18}H_{24}O_2$

Molecular Weight: 272.38 g/mol

Quality Release Date: 27 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%	99.5%	%	High Performance Liquid Chromatography
Melting Point	175-180°C	177.8°C	°C	Capillary Melting Point Method
Loss on Drying	≤ 0.5%	0.13%	%	105°C Constant Weight Method
Residue on Ignition	≤ 0.1%	0.01%	%	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%	0.28%	%	High Performance Liquid Chromatography
Optical Rotation (c=1, Ethanol)	+76° to +86°	+81.5°	°	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 Estradiol and meets all specified requirements. It is qualified for use.

Issue Date: 27 FEB 2026