



# NEWAY SINOPHC TECH. LIMITED

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## Certificate of Analysis (COA)

**Product Name:** Ethinylestradiol

### Product Information

Product Number: EE-20260225

Batch Number: EE-SH2026022501

Brand: SIGALD

CAS Number: 57-63-6

Molecular Formula:  $C_{20}H_{24}O_2$

Molecular Weight: 296.40 g/mol

Quality Release Date: 25 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	180-186°C	183.5°C	°C	Capillary Melting Point Method
Loss on Drying	≤ 0.5%	0.16%	%	105°C Constant Weight Method
Residue on Ignition	≤ 0.1%	0.02%	%	Gravimetric Method
Heavy Metals (Pb)	≤ 10 ppm	1.0 ppm	ppm	Atomic Absorption Spectrometry (AAS)
Heavy Metals (As)	≤ 2 ppm	0.1 ppm	ppm	Atomic Fluorescence Spectrometry (AFS)
Related Substances (Total)	≤ 1.0%	0.31%	%	High Performance Liquid Chromatography
Optical Rotation (c=1, Pyridine)	+75° to +85°	+80.2°	°	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 Ethinylestradiol and meets all specified requirements. It is qualified for use.

**Issue Date:** 25 FEB 2026