



# NEWAY SINOPHC TECH. LIMITED

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## Certificate of Analysis (COA)

**Product Name:** Ergocalciferol

**Product Number:** ED-20260220

**Batch Number:** ED-SH2026022001

**Brand:** SIGALD

**CAS Number:** 50-14-6

**Formula:** C<sub>28</sub> H<sub>44</sub>O

**Formula Weight:** 396.65 g/mol

**Quality Release Date:** 20 FEB 2026

### Test Results

Test	Specification (Industry Standard)	Result	Unit	Test Method
Appearance (Form)	White to off-white crystalline powder	White crystalline powder	-	Visual Inspection
Assay	≥97.0%	98.8%	%	High Performance Liquid Chromatography (HPLC)
Melting Point	115~119°C	117.5°C	°C	Melting Point Apparatus
Loss on Drying	≤0.5%	0.12%	%	Vacuum Drying Method (60°C, 2h)
Residue on Ignition	≤0.1%	0.02%	%	Ignition Method at 600°C
Heavy Metals (Pb)	≤10 ppm	1.1 ppm	ppm	Atomic Absorption Spectrometry (AAS)
Heavy Metals (As)	≤2 ppm	0.1 ppm	ppm	Atomic Fluorescence Spectrometry (AFS)
Related Substances	≤1.5%	0.45%	%	HPLC
Optical Rotation (25°C, C=1 in ethanol)	+102° ~ +110°	+107.8°	°	Polarimeter

### Certification

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

**Issue Date:** 20 FEB 2026