



NEWAY SINOPHC TECH. LIMITED

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Certificate of Analysis (COA)

Product Name: Retinol

Product Number: RT-20260225

Batch Number: RT-SH2026022501

Brand: SIGALD

CAS Number: 68-26-8

Formula: C₂₀ H₃₀ O

Formula Weight: 286.45 g/mol

Quality Release Date: 25 FEB 2026

Test Results

Test	Specification (Industry Standard)	Result	Unit	Test Method
Appearance (Form)	Yellow to orange crystalline powder	Orange crystalline powder	-	Visual Inspection
Assay	≥98.0%	99.1%	%	High Performance Liquid Chromatography (HPLC)
Melting Point	62~64°C	63.2°C	°C	Melting Point Apparatus
Loss on Drying	≤0.5%	0.12%	%	Vacuum Drying Method (60°C, 2h)
Residue on Ignition	≤0.1%	0.03%	%	Ignition Method at 600°C
Heavy Metals (Pb)	≤10 ppm	1.0 ppm	ppm	Atomic Absorption Spectrometry (AAS)
Heavy Metals (As)	≤2 ppm	0.2 ppm	ppm	Atomic Fluorescence Spectrometry (AFS)
Related Substances	≤1.0%	0.25%	%	HPLC
Optical Rotation (25°C, C=1 in ethanol)	+25° ~ +30°	+27.8°	°	Polarimeter

Certification

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

Issue Date: 25 FEB 2026