



NEWAY SINOPHC TECH. LIMITED

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Certificate of Analysis (COA)

Product Name: Tocopherol

Product Number: TE-20260228

Batch Number: TE-SH2026022801

Brand: SIGALD

CAS Number:1959-2-9

Formula: C₂₉H₅₀O₂ (α-Tocopherol, main component)

Formula Weight: 430.71 g/mol (α-Tocopherol)

Quality Release Date: 28 FEB 2026

Test Results

Test	Specification (Industry Standard)	Result	Unit	Test Method
Appearance (Form)	Pale yellow to amber oily liquid	Pale yellow oily liquid	-	Visual Inspection
Total Tocopherol Assay	≥95.0%	98.5%	%	High Performance Liquid Chromatography (HPLC)
α-Tocopherol Content	≥70.0%	82.3%	%	HPLC
Melting Point	-29 ~ -23°C	-26°C	°C	Melting Point Apparatus
Solubility	Soluble in ethanol, ether, vegetable oil; insoluble in water	Conforms	-	Solubility Test
Loss on Drying	≤0.5%	0.15%	%	Vacuum Drying Method
Residue on Ignition	≤0.1%	0.02%	%	Ignition Method at 600°C
Heavy Metals (Pb)	≤10 ppm	1.8 ppm	ppm	Atomic Absorption Spectrometry (AAS)
Heavy Metals (As)	≤2 ppm	0.3 ppm	ppm	Atomic Fluorescence Spectrometry (AFS)
Peroxide Value	≤5.0 meq/kg	1.2 meq/kg	meq/kg	Iodometric Titration
Related Substances	≤3.0%	0.8%	%	HPLC

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

Issue Date: 28 FEB 2026