



NEWAY SINOPHC TECH. LIMITED

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Certificate of Analysis (COA)

- Clove Leaf Oil

Product Name: Clove Leaf Oil Product Information

Product Number CLO-20260218
Batch Number CLO-SH2026021801
Brand SIGALD
CAS Number 8015-97-2
MDL Number MFCD00147562
Formula Main component: Eugenol (C₁₀ H₁₂O₂), natural essential oil mixture
Formula Weight Variable (natural complex mixture)
Quality Release Date 18 FEB 2026

Test Results

Test	Specification (Industry Standard)	Result	Unit	Test Method
Appearance (Color)	Colorless to pale yellow	Pale yellow	-	Visual Inspection
Appearance (Form)	Clear mobile liquid	Clear mobile liquid	-	Visual Inspection
Eugenol Content	≥ 85.0%	88.6%	%	Gas Chromatography (GC)
Refractive Index (20°C)	1.5280-1.5380	1.5325	-	Abbe Refractometer
Relative Density (20/20°C)	1.038-1.060	1.045	-	Pycnometer Method
Optical Rotation (20°C)	-2.0° to +1.0°	+0.3°	°	Polarimeter
Heavy Metals (Pb)	≤ 5 ppm	0.7 ppm	ppm	Atomic Absorption Spectrometry (AAS)
Heavy Metals (As)	≤ 1 ppm	0.1 ppm	ppm	Atomic Fluorescence Spectrometry (AFS)
Water Content	≤ 0.5%	0.15%	%	Karl Fischer Titration
Acid Value (mg KOH/g)	≤ 2.0	0.8	mg KOH/g	Titrimetric Method
Solubility in 70% Ethanol	1:2 soluble (25°C)	1:2 soluble	-	Visual Inspection
Supplier Information	Confirmed	Confirmed	-	-
Registered Trademark	Confirmed	Confirmed	-	-

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

Issue Date: 18 FEB 2026