



NEWAY SINOPHC TECH. LIMITED

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Certificate of Analysis (COA)

- Cardamom Oil

Product Name: Cardamom Oil Product Information

Product Number CAR-20260224
Batch Number CAR-SH2026022401
Brand SIGALD
CAS Number 8000-66-6
MDL Number MFCD00147994
Formula Main component: 1,8-Cineole (C₁₀ H₁₈ O), natural essential oil mixture
Formula Weight Variable (natural complex mixture)
Quality Release Date 24 FEB 2026

Test Results

Test	Specification (Industry Standard)	Result	Unit	Test Method
Appearance (Color)	Colorless to pale yellow	Colorless	-	Visual Inspection
Appearance (Form)	Clear mobile liquid	Clear mobile liquid	-	Visual Inspection
1,8-Cineole Content	≥ 35.0%	41.5%	%	Gas Chromatography (GC)
Refractive Index (20°C)	1.4600-1.4700	1.4658	-	Abbe Refractometer
Relative Density (20/20°C)	0.910-0.930	0.922	-	Pycnometer Method
Optical Rotation (20°C)	+15.0° to +40.0°	+28.6°	°	Polarimeter
Heavy Metals (Pb)	≤ 5 ppm	0.3 ppm	ppm	Atomic Absorption Spectrometry (AAS)
Heavy Metals (As)	≤ 1 ppm	0.1 ppm	ppm	Atomic Fluorescence Spectrometry (AFS)
Water Content	≤ 0.5%	0.09%	%	Karl Fischer Titration
Acid Value (mg KOH/g)	≤ 2.0	0.6	mg KOH/g	Titrimetric Method
Solubility in 70% Ethanol	1:3 soluble (25°C)	1:3 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 Cardamom Oil and meets all specified requirements. It is qualified for use.

Issue Date: 24 FEB 2026