



NEWAY SINOPHC TECH. LIMITED

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Certificate of Analysis (COA)

- Geraniol

Product Name: Geraniol **Quality Release Date:** 22 FEB 2026 **Issue Date:** 22 FEB 2026

Product Information

Product Number GER-20260222
Batch Number GER-SH2026022201
Brand SIGALD
CAS Number 106-24-1
MDL Number MFCD00002917
Formula $C_{10}H_{18}O$
Formula Weight 154.25 g/mol

Test	Specification (Industry Standard)	Result	Unit	Test Method
Appearance (Color)	Colorless to pale yellow	Colorless	-	Visual Inspection
Appearance (Form)	Clear liquid	Clear liquid	-	Visual Inspection
Assay (Purity)	$\geq 98.0\%$	98.9%	%	Gas Chromatography (GC)
Boiling Point	229-231 °C	230.2 °C	°C	Distillation Method
Refractive Index (20 °C)	1.476-1.482	1.479	-	Abbe Refractometer
Relative Density (20/20 °C)	0.888-0.894	0.891	g/cm ³	Hydrometer Method
Flash Point (Closed Cup)	$\geq 100^{\circ}\text{C}$	104 °C	°C	Pensky-Martens Method
Water Content	$\leq 0.1\%$	0.06%	%	Karl Fischer Titration
Acid Value (as KOH)	≤ 0.5 mg/g	0.2 mg/g	mg/g	Titration with KOH
Heavy Metals (Pb)	≤ 5 ppm	1.0 ppm	ppm	Atomic Absorption Spectrometry (AAS)
Residue on Evaporation	$\leq 0.1\%$	0.03%	%	Gravimetric Method
Odor	Characteristic rose-like floral odor	Conforms	-	Sensory Evaluation

Certification

This batch of Geraniol has been tested in accordance with the relevant industrial standards for fragrance, flavor and cosmetic raw materials and meets all specified requirements. It is qualified for use.