



# NEWAY SINOPHC TECH. LIMITED

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## Certificate of Analysis (Terpineol)

Issue Date: 18 FEB 2026 Quality Release Date: 18 FEB 2026

### Product Name

Terpineol 萜品醇

### Product Information

Product Number TER-20260218

Batch Number TER-SH2026021801

Brand SIGALD

CAS Number 8000-41-7

MDL Number MFCD00080676

Formula  $C_{10}H_{18}O$  (Mainly  $\alpha$ -Terpineol, mixed isomers)

Formula Weight 154.25 g/mol (molecular weight of pure  $\alpha$ -Terpineol)

Form Colorless to pale yellow liquid with floral aroma

### Test Results

Test	Specification (Industrial & Fragrance Standard)	Result	Unit	Test Method
Appearance (Color/Form)	Colorless to pale yellow clear liquid, no sediment	Conforms	-	Visual Inspection (25°C)
Odor	Characteristic floral pine aroma, no off-odor	Conforms	-	Sensory Evaluation
Total Terpineol Content ( $\alpha+\beta+\gamma$ )	$\geq 95.0\%$	97.8%	%	Gas Chromatography (GC)
$\alpha$ -Terpineol Content	$\geq 80.0\%$	88.5%	%	Gas Chromatography (GC)
Relative Density (25/25°C)	0.930 ~ 0.940	0.936	-	Pycnometer Method
Refractive Index (25°C)	1.475 ~ 1.485	1.481	-	Abbe Refractometer
Acid Value (mg KOH/g)	$\leq 1.0$	0.3	mg KOH/g	Neutralization Titration
Boiling Range	214 ~ 220°C	216 ~ 219°C	°C	Distillation Method
Water Content	$\leq 0.5\%$	0.21%	%	Karl Fischer Titration
Heavy Metals (Pb)	$\leq 5$ ppm	0.8 ppm	ppm	Atomic Absorption Spectrometry (AAS)
Heavy Metals (As)	$\leq 1$ ppm	0.1 ppm	ppm	Atomic Fluorescence Spectrometry (AFS)
Residue on Evaporation	$\leq 0.1\%$	0.03%	%	Gravimetric Method (105°C, 2h)

### Certification

This batch of product has been tested in accordance with the industrial and fragrance industry standards for Terpineol and meets all specified requirements. It is qualified for use as a raw material in fragrance, cosmetic, pharmaceutical and chemical industries.