AROMATICS DATA

GC-MS BATCH SUMMARY

Batch NIA-113

November 20, 2026

Niaouli ct 1,8 Cineole Essential Oil

Melaleuca quinquenervia ct 1,8 cineole

Essential Oil

DISTILLATION DATE	EXTRACTION	CULTIVATION	COUNTRY OF ORIGIN
April 15, 2026	Steam Distilled	Certified Organic	Madagascar

TOP 5 COMPONENTS

of 37 measured

1,8-cineole	Oxide	**48.71%**
α-pinene	Monoterpene	**9.55%**
limonene (d)	Monoterpene	**8.22%**
α-terpineol	Monoterpenol	**7.67%**
viridiflorol	Sesquiterpenol	**5.77%**

CHEMISTRY HIGHLIGHTS

GC-MS analysis of this batch identified 37 components. It leads with 1,8-cineole at 48.71 percent, followed by alpha-pinene at 9.55 percent and limonene at 8.22 percent, with alpha-terpineol at 7.67 percent rounding out the profile. Oxides make up just over 49 percent of the oil and are associated with a fresh, opening quality in the breath, while the monoterpene fraction near 25 percent lends brightness and lift. A monoterpenol presence above 9 percent contributes gentleness in blends.

Full composition · 37 components across 7 families

Oxide	**49.05%**
1,8-cineole	48.71%
caryophyllene oxide	0.34%
Monoterpene	**25.43%**
α-pinene	9.55%

Every batch is GC-MS tested by an independent lab. This report is provided for full transparency by Aromatics International.

Verify this batch: data.aromatics.com/products/niaouli-ct-1-8-cineole-essential-oil#batch=NIA-113

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limonene (d)	8.22%
β-pinene	2.84%
p-cymene	1.45%
γ-terpinene	1.19%
β-myrcene	0.92%
terpinolene	0.59%
α-terpinene	0.24%
α-thujene	0.22%
pseudolimonene	0.12%
camphene	0.09%
Monoterpenol	**9.34%**
α-terpineol	7.67%
terpinen-4-ol	0.94%
linalool	0.27%
δ-terpineol	0.18%
isopulegol	0.11%
τ-cadinol	0.10%
citronellol	0.07%
Sesquiterpenol	**7.41%**
viridiflorol	5.77%
(Z)-nerolidol	1.42%
palustrol	0.16%
β-eudesmol	0.06%
Sesquiterpene	**4.73%**
β-caryophyllene	1.76%
viridiflorene	1.14%
allo-aromadendrene	0.43%
α-caryophyllene	0.31%
β-selinene	0.23%

δ-cadinene	0.22%
aromadendrene	0.20%
γ-cadinene	0.17%
α-gurjunene	0.14%
γ-muurolene	0.07%
α-copaene	0.06%
Ester	**1.79%**
α-terpinyl acetate	1.79%
Aldehyde	**0.13%**
benzaldehyde	0.13%