AROMATICS DATA

GC-MS BATCH SUMMARY

Batch EUR-121

November 3, 2026

Eucalyptus Radiata Essential Oil

Eucalyptus radiata

Essential Oil

DISTILLATION DATE	EXTRACTION	CULTIVATION	COUNTRY OF ORIGIN
January 15, 2026	Steam Distilled	Certified Organic	South Africa

TOP 5 COMPONENTS

of 31 measured

1,8-cineole	Oxide	62.22%
α-terpineol	Monoterpenol	12.32%
limonene (d)	Monoterpene	7.44%
α-pinene	Monoterpene	2.66%
terpinen-4-ol	Monoterpenol	1.74%

Batch EUR-121 comes from certified organic *Eucalyptus radiata* grown in South Africa and steam distilled from the leaves in January 2026. The aroma is bright and clean, softer and rounder than many eucalyptus oils, with a fresh camphoraceous lift and a faintly sweet finish.

GC-MS analysis of this batch identified 31 components. It leads with 1,8-cineole at 62.22 percent, followed by alpha-terpineol at 12.32 percent and limonene at 7.44 percent. Oxides dominate the profile and are associated with clear, open, invigorating breathing space, while the monoterpenol fraction at just over 17 percent lends a gentle, skin-friendly character that supports everyday comfort in diffusion and diluted topical blends.

This exact batch was independently GC-MS tested. The full report and certificate of analysis are available to download here, so you can see precisely what is in the bottle you are using.

CHEMISTRY HIGHLIGHTS

GC-MS analysis of this batch identified 31 components. It leads with 1,8-cineole at 62.22 percent, followed by alpha-terpineol at 12.32 percent and limonene at 7.44 percent. Oxides dominate the profile and are associated

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with clear, open, invigorating breathing space, while the monoterpenol fraction at just over 17 percent lends a gentle, skin-friendly character that supports everyday comfort in diffusion and diluted topical blends.

Full composition · 31 components across 7 families

Oxide	**62.22%**
1,8-cineole	62.22%
Monoterpenol	**17.05%**
α-terpineol	12.32%
terpinen-4-ol	1.74%
geraniol	1.43%
linalool	0.64%
δ-terpineol	0.27%
(Z)-p-Menth-2-en-1-ol	0.19%
(E)-p-menth-2-en-1-ol	0.14%
(E)-piperitol	0.10%
3-hexen-1-ol	0.08%
(Z)-piperitol	0.07%
nerol	0.07%
Monoterpene	**16.49%**
limonene (d)	7.44%
α-pinene	2.66%
β-myrcene	1.51%
sabinene	1.19%
β-pinene	0.79%
p-cymene	0.74%
α-phellandrene	0.69%
γ-terpinene	0.44%
(Z)-β-ocimene	0.33%
α-thujene	0.28%
α-terpinene	0.26%

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terpinolene	0.16%
Ester	**1.58%**
α-terpinyl acetate	1.58%
Aldehyde	**0.52%**
geranial	0.32%
neral	0.20%
Sesquiterpene	**0.49%**
β-caryophyllene	0.21%
bicyclogermacrene	0.15%
δ-elemene	0.13%
Ketone	**0.46%**
piperitone	0.46%

OPTICAL ROTATION @20°C

+1.27

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/eucalyptus-radiata-essential-oil#batch=EUR-121

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