AROMATICS DATA

GC-MS BATCH SUMMARY

Batch TTR-125

November 16, 2026

Tea Tree Essential Oil

Melaleuca alternifolia

Essential Oil

DISTILLATION DATE	EXTRACTION	CULTIVATION	COUNTRY OF ORIGIN
November 15, 2025	Steam Distilled	Organically Grown	Australia

TOP 5 COMPONENTS

of 45 measured

terpinen-4-ol	Monoterpenol	38.59%
γ-terpinene	Monoterpene	18.10%
α-terpinene	Monoterpene	7.89%
p-cymene	Monoterpene	5.14%
1,8-cineole	Oxide	4.45%

Full composition · 45 components across 6 families

Monoterpenol	**42.90%**
terpinen-4-ol	38.59%
α-terpineol	3.78%
(E)-p-menth-2-en-1-ol	0.14%
(Z)-p-Menth-2-en-1-ol	0.14%
(Z)-sabinene hydrate	0.10%
p-cymen-8-ol	0.09%
linalool	0.06%
Monoterpene	**42.01%**
γ-terpinene	18.10%
α-terpinene	7.89%

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/tea-tree-essential-oil#batch=TTR-125

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p-cymene	5.14%
terpinolene	3.13%
α-pinene	2.85%
limonene (d)	1.21%
α-thujene	0.78%
β-myrcene	0.77%
β-phellandrene	0.77%
β-pinene	0.70%
α-phellandrene	0.46%
sabinene	0.21%
Sesquiterpene	**7.88%**
δ-cadinene	1.52%
aromadendrene	1.50%
viridiflorene	1.01%
allo-aromadendrene	0.65%
bicyclogermacrene	0.51%
β-caryophyllene	0.39%
(Z)-cadina-1(6),4-diene	0.37%
α-gurjunene	0.32%
zonarene	0.31%
γ-gurjunene	0.26%
(E)-cadina-1,4-diene	0.26%
δ-elemene	0.22%
α-guaiene	0.19%
α-copaene	0.15%
α-caryophyllene	0.09%
isoledene	0.07%
α-cubebene	0.06%

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Oxide	**4.50%**
1,8-cineole	4.45%
1,4-cineole	0.05%
Sesquiterpenol	**0.96%**
viridiflorol	0.34%
1,10-epi-cubenol	0.20%
rosifoliol	0.12%
epi-cubenol	0.11%
maaliol	0.10%
spathulenol	0.09%
Ester	**0.14%**
(Z)-muurola-3,5-diene	0.14%

REFRACTIVE INDEX @20°C	OPTICAL ROTATION @20°C
1.477	**9.27**

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