AROMATICS DATA

GC-MS BATCH SUMMARY

Batch MAK-105

November 13, 2026

Manuka Essential Oil

Leptospermum scoparium ct. East Cape

Essential Oil

DISTILLATION DATE	EXTRACTION	CULTIVATION	COUNTRY OF ORIGIN
July 23, 2025	Steam Distilled	Wildcrafted	New Zealand

TOP 5 COMPONENTS

of 79 measured

leptospermone	Ketone	**14.83%**
δ-cadinene	Sesquiterpene	**7.72%**
α-selinene	Sesquiterpene	**7.15%**
flavesone	Ketone	**6.40%**
(E)-calamenene	Other	**6.26%**

Full composition · 79 components across 9 families

Sesquiterpene	**51.27%**
δ-cadinene	7.72%
α-selinene	7.15%
α-copaene	5.89%
(E)-cadina-1,4-diene	5.75%
β-selinene	4.85%
(Z)-cadina-1(6),4-diene	4.16%
α-cubebene	2.57%
aromadendrene	2.18%
β-caryophyllene	2.07%
zonarene	1.62%

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

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γ-muurolene	1.59%
α-gurjunene	0.93%
γ-cadinene	0.86%
allo-aromadendrene	0.75%
α-calacorene	0.71%
β-copaene	0.39%
α-caryophyllene	0.37%
α-ylangene	0.30%
α-amorphene	0.27%
β-elemene	0.26%
δ-amorphene	0.25%
δ-guaiene	0.22%
γ-gurjunene	0.16%
α-guaiene	0.11%
β-gurjunene	0.11%
δ-elemene	0.02%
longifolene	0.01%
Ketone	**27.01%**
leptospermone	14.83%
flavesone	6.40%
iso-leptospermone	5.68%
2,4-dimethyl-3-pentanone	0.06%
6-methyl-5-hepten-2-one	0.04%
Other	**7.27%**
(E)-calamenene	6.26%
benzyl isovalerate	0.29%
3-methyl-3-butenyl isovalerate	0.27%
α-cedrene epoxide	0.15%
2-phenylethyl 3-methylbutyrate	0.13%

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cadalene	0.10%
2-methyl butyl isovalerate	0.06%
ethylbenzene	0.01%
Sesquiterpenol	**4.40%**
epi-cubenol	1.12%
1,10-epi-cubenol	1.03%
spathulenol	0.48%
pogostol	0.31%
gleenol	0.30%
ledol	0.25%
viridiflorol	0.24%
rosifoliol	0.20%
longiborneol	0.16%
β-eudesmol	0.15%
(E)-nerolidol	0.08%
(Z,Z)-farnesol	0.06%
palustrol	0.02%
Ester	**2.63%**
(Z)-muurola-3,5-diene	2.36%
isoamyl isovalerate	0.20%
(Z)-3-hexenyl acetate	0.05%
isoamyl isobutyrate	0.02%
Monoterpene	**2.30%**
α-pinene	1.28%
β-myrcene	0.43%
p-cymene	0.15%
γ-terpinene	0.12%
β-pinene	0.11%
limonene (d)	0.10%

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terpinolene	0.05%
(E)-β-ocimene	0.03%
α-thujene	0.02%
α-terpinene	0.01%
Oxide	**1.15%**
caryophyllene oxide	0.73%
1,8-cineole	0.37%
linalool (Z)-oxide	0.04%
(E)-linalool oxide	0.01%
Monoterpenol	**0.65%**
τ-cadinol	0.16%
α-terpineol	0.15%
linalool	0.15%
terpinen-4-ol	0.12%
1-octanol	0.03%
3-hexen-1-ol	0.03%
geraniol	0.01%
Aldehyde	**0.03%**
2-decanal	0.03%

REFRACTIVE INDEX @20°C	OPTICAL ROTATION @20°C
1.501	**-25.905**

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