AROMATICS DATA

GC-MS BATCH SUMMARY

Batch ROS-114

November 13, 2026

Rosalina Essential Oil

Melaleuca ericifolia

Essential Oil

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

TOP 5 COMPONENTS

of 57 measured

linalool	Monoterpenol	**42.52%**
1,8-cineole	Oxide	**24.41%**
α-pinene	Monoterpene	**6.25%**
α-terpineol	Monoterpenol	**4.12%**
terpinolene	Monoterpene	**3.26%**

Full composition · 57 components across 9 families

Monoterpenol	**48.15%**
linalool	42.52%
α-terpineol	4.12%
terpinen-4-ol	0.47%
geraniol	0.28%
hotrienol	0.25%
δ-terpineol	0.18%
p-cymen-8-ol	0.12%
nerol	0.11%
linalool pyranic oxide	0.10%

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

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Oxide	**25.62%**
1,8-cineole	24.41%
linalool (Z)-oxide	1.21%
Monoterpene	**14.67%**
α-pinene	6.25%
terpinolene	3.26%
p-cymene	1.83%
γ-terpinene	1.46%
β-pinene	0.68%
β-myrcene	0.32%
α-thujene	0.30%
(E)-β-ocimene	0.26%
pseudolimonene	0.16%
α-terpinene	0.11%
(Z)-β-ocimene	0.04%
Sesquiterpene	**8.14%**
aromadendrene	2.91%
allo-aromadendrene	1.17%
viridiflorene	0.96%
bicyclogermacrene	0.72%
β-selinene	0.52%
α-gurjunene	0.31%
δ-elemene	0.29%
α-guaiene	0.19%
β-cadinene	0.19%
γ-gurjunene	0.18%
isoledene	0.17%
β-gurjunene	0.10%
β-caryophyllene	0.10%

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longifolene	0.09%
δ-cadinene	0.08%
γ-cadinene	0.06%
β-elemene	0.04%
(Z)-hex-3-en-1-ol	0.03%
α-calacorene	0.03%
Sesquiterpenol	**0.99%**
maaliol	0.30%
spathulenol	0.29%
rosifoliol	0.12%
viridiflorol	0.11%
cubeban-11-ol	0.08%
isospathulenol	0.06%
ledol	0.03%
Ester	**0.64%**
2-phenylethyl isobutyrate	0.35%
methyl geranate	0.18%
2-phenylethyl acetate	0.07%
isobutyl isobutyrate	0.04%
Other	**0.20%**
dehydro-p-cymene	0.11%
trans-cycloisolongifol-5-ol	0.09%
Aldehyde	**0.19%**
geranial	0.11%
neral	0.08%
Ketone	**0.03%**
6-methyl-5-hepten-2-one	0.03%

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REFRACTIVE INDEX @20°C	OPTICAL ROTATION @20°C
1.466	**+11.51**

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