AROMATICS DATA

GC-MS BATCH SUMMARY

Batch LIM-119

November 22, 2026

Lime Essential Oil

Citrus aurantifolia

Essential Oil

DISTILLATION DATE	EXTRACTION	CULTIVATION	COUNTRY OF ORIGIN
September 30, 2025	**Steam Distilled**	**Organically Grown**	**Italy**

TOP 5 COMPONENTS		of 58 measured
limonene (d)	Monoterpene	**46.59%**
γ-terpinene	Monoterpene	**14.71%**
β-pinene	Monoterpene	**11.09%**
geranial	Aldehyde	**2.55%**
α-pinene	Monoterpene	**2.39%**

Full composition · 58 components across 6 families

Monoterpene	**83.35%**
limonene (d)	46.59%
γ-terpinene	14.71%
β-pinene	11.09%
α-pinene	2.39%
p-cymene	2.05%
β-myrcene	2.04%
sabinene	1.85%
terpinolene	1.15%
α-thujene	0.62%
α-terpinene	0.53%

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/lime-essential-oil#batch=LIM-119

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(Z)-β-ocimene	0.15%
α-phellandrene	0.09%
camphene	0.08%
alloocimene	0.01%
Aldehyde	**4.87%**
geranial	2.55%
neral	2.02%
decanal	0.09%
nonanal	0.06%
perillaldehyde	0.04%
citronellal	0.04%
octanal	0.03%
dodecanal	0.02%
isogeranial	0.02%
Sesquiterpene	**4.25%**
(E)-α-bergamotene	1.41%
β-bisabolene	1.30%
β-caryophyllene	0.62%
(E,E)-α-farnesene	0.17%
α-caryophyllene	0.13%
(Z)-α-bergamotene	0.11%
(Z)-α-bisabolene	0.11%
(E)-β-farnesene	0.10%
β-elemene	0.10%
(Z,E)-α-farnesene	0.09%
δ-elemene	0.06%
(E)-α-bisabolene	0.02%
α-santalene	0.02%
γ-curcumene	0.01%

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Monoterpenol	**3.50%**
α-terpineol	1.35%
terpinen-4-ol	0.77%
linalool	0.37%
nerol	0.34%
geraniol	0.28%
1-octanol	0.09%
citronellol	0.07%
(Z)-β-terpineol	0.05%
(E)-sabinene hydrate	0.05%
borneol	0.05%
fenchol	0.03%
p-mentha-1,5-dien-8-ol	0.02%
(E)-p-menth-2-en-1-ol	0.02%
(E)-p-mentha-2,8-dien-1-ol	0.01%
Ester	**1.64%**
neryl acetate	1.27%
geranyl acetate	0.34%
citronellyl acetate	0.03%
Oxide	**0.12%**
1,8-cineole	0.06%
(Z)-limonene oxide	0.03%
(E)-limonene oxide	0.02%
caryophyllene oxide	0.01%

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