AROMATICS DATA

GC-MS BATCH SUMMARY

Batch GRF-128

November 20, 2026

Grapefruit Essential Oil

Citrus paradisi

Essential Oil

DISTILLATION DATE	EXTRACTION	CULTIVATION	COUNTRY OF ORIGIN
January 10, 2025	Cold Pressed	Certified Organic	Italy

TOP 5 COMPONENTS

of 72 measured

limonene (d)	Monoterpene	**86.15%**
β-myrcene	Monoterpene	**3.67%**
auraptene	Coumarin	**1.41%**
sabinene	Monoterpene	**1.17%**
α-pinene	Monoterpene	**0.92%**

Full composition · 72 components across 11 families

Monoterpene	**92.54%**
limonene (d)	86.15%
β-myrcene	3.67%
sabinene	1.17%
α-pinene	0.92%
(E)-β-ocimene	0.38%
β-pinene	0.14%
γ-terpinene	0.04%
p-cymene	0.02%
(Z)-β-ocimene	0.02%
α-thujene	0.01%

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

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camphene	0.01%
terpinolene	0.01%
Sesquiterpene	**1.83%**
β-caryophyllene	0.87%
δ-cadinene	0.21%
α-copaene	0.20%
β-cubebene	0.19%
germacrene D	0.12%
α-caryophyllene	0.10%
β-elemene	0.07%
bicyclogermacrene	0.03%
(E)-β-farnesene	0.02%
β-copaene	0.01%
aromadendrene	0.01%
Aldehyde	**1.63%**
octanal	0.68%
decanal	0.47%
nonanal	0.11%
geranial	0.09%
citronellal	0.08%
dodecanal	0.08%
neral	0.05%
hexadecanal	0.03%
perillaldehyde	0.02%
β-sinensal	0.02%
Coumarin	**1.41%**
auraptene	1.41%
Other	**0.60%**
citrusal	0.32%

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osthole	0.08%
heptacosane	0.05%
(Z)-patchenol	0.04%
pentacosane	0.03%
(Z)-epoxy-ocimene	0.02%
tricosane	0.02%
nonane	0.01%
heptanal	0.01%
dodecane	0.01%
tetradecane	0.01%
Ketone	**0.41%**
nootkatone	0.34%
carvone	0.05%
6,7-epoxymyrcene	0.01%
cryptone	0.01%
Monoterpenol	**0.37%**
linalool	0.14%
α-terpineol	0.08%
1-octanol	0.06%
(E)-carveol	0.03%
(E)-p-mentha-2,8-dien-1-ol	0.02%
(Z)-carveol	0.02%
(E)-sabinene hydrate	0.01%
γ-terpineol	0.01%
Ester	**0.35%**
geranyl acetate	0.21%
octyl acetate	0.08%
α-terpinyl acetate	0.03%
neryl acetate	0.03%

Oxide	**0.20%**
(Z)-limonene oxide	0.10%
(E)-limonene oxide	0.06%
caryophyllene oxide	0.04%
Sesquiterpenol	**0.17%**
elemol	0.08%
germacrene D-4-ol	0.03%
(E)-nerolidol	0.02%
α-muurolol	0.01%
cubebol	0.01%
(Z,E)-farnesol	0.01%
(E,E)-farnesol	0.01%
Furan	**0.01%**
perillene	0.01%