AROMATICS DATA

GC-MS BATCH SUMMARY

Batch PGA-110

November 15, 2026

Petitgrain (Bigarade) Essential Oil

Citrus aurantium var. amara

Essential Oil

DISTILLATION DATE	EXTRACTION	CULTIVATION	COUNTRY OF ORIGIN
April 22, 2025	Steam Distilled	Certified Organic	Paraguay

TOP 5 COMPONENTS

of 27 measured

linalyl acetate	Ester	**51.10%**
linalool	Monoterpenol	**23.57%**
α-terpineol	Monoterpenol	**5.29%**
geranyl acetate	Ester	**3.82%**
geraniol	Monoterpenol	**2.67%**

Full composition · 27 components across 7 families

Ester	**57.15%**
linalyl acetate	51.10%
geranyl acetate	3.82%
neryl acetate	2.15%
α-terpinyl acetate	0.08%
Monoterpenol	**32.72%**
linalool	23.57%
α-terpineol	5.29%
geraniol	2.67%
nerol	1.11%
terpinen-4-ol	0.08%

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

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Monoterpene	**5.67%**
β-myrcene	2.21%
limonene (d)	1.00%
β-pinene	0.98%
δ-3-carene	0.61%
terpinolene	0.45%
sabinene	0.20%
α-pinene	0.10%
γ-terpinene	0.05%
α-terpinene	0.04%
α-phellandrene	0.03%
Other	**3.18%**
ocimene <(E)-beta>	2.38%
ocimene (Z)-beta	0.80%
Sesquiterpene	**0.87%**
β-caryophyllene	0.59%
bicyclogermacrene	0.23%
α-caryophyllene	0.05%
Aldehyde	**0.18%**
geranial	0.09%
neral	0.09%
Oxide	**0.08%**
1,8-cineole	0.08%

REFRACTIVE INDEX @20°C	OPTICAL ROTATION @20°C
1.4585	**-4.11**

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