AROMATICS DATA

GC-MS BATCH SUMMARY

Batch PLN-110

November 13, 2026

Plai (Central) Essential Oil

Zingiber cassumunar

Essential Oil

DISTILLATION DATE	EXTRACTION	CULTIVATION	COUNTRY OF ORIGIN
January 8, 2024	Steam Distilled	Wildcrafted	Thailand

TOP 5 COMPONENTS

of 62 measured

sabinene	Monoterpene	**51.72%**
terpinen-4-ol	Monoterpenol	**17.91%**
γ-terpinene	Monoterpene	**5.75%**
β-pinene	Monoterpene	**3.23%**
(E)-3,4-dimethoxyphenyl butadiene	Ether	**3.04%**

Full composition · 62 components across 10 families

Monoterpene	**71.24%**
sabinene	51.72%
γ-terpinene	5.75%
β-pinene	3.23%
α-terpinene	2.84%
β-myrcene	1.82%
α-pinene	1.79%
terpinolene	1.05%
p-cymene	0.91%
α-thujene	0.84%
limonene (d)	0.61%

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

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β-phellandrene	0.49%
α-phellandrene	0.08%
camphene	0.06%
(E)-β-ocimene	0.04%
(Z)-β-ocimene	0.01%
Monoterpenol	**20.06%**
terpinen-4-ol	17.91%
(E)-thujanol	0.60%
(Z)-thujanol	0.56%
(E)-p-menth-2-en-1-ol	0.42%
(Z)-p-menth-2-en-1-ol	0.27%
(E)-piperitol	0.16%
(Z)-piperitol	0.09%
linalool	0.03%
borneol	0.02%
Ether	**3.13%**
(E)-3,4-dimethoxyphenyl butadiene	3.04%
(E)-3,4-dimethoxyphenyl-but-1-ene	0.09%
Sesquiterpene	**2.73%**
β-sesquiphellandrene	2.02%
α-zingiberene	0.24%
germacrene B	0.13%
β-bisabolene	0.12%
(E)-β-farnesene	0.04%
germacrene A	0.04%
β-elemene	0.03%
germacrene D	0.03%
α-curcumene	0.02%
β-caryophyllene	0.02%

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γ-selinene	0.02%
sesquiterpene	0.02%
Other	**1.08%**
cis-3,4-dimethoxyphenyl-but-1-ene mw=192	0.73%
trans-3,4-dimethoxyphenyl but-3-ene acetate	0.13%
phenylether compound mw=178	0.05%
cis-3,4-dimethoxyphenyl butadiene mw=190	0.03%
alcohol compound	0.02%
p-mentha-1,3-dien-7-al	0.02%
dimethoxyphenylacetone	0.02%
trans-3,4-dimethylphenyl-but-3-ene acetate	0.01%
diterpene	0.01%
compound mw=192	0.01%
aromatic component	0.01%
4-hydroxy-4-methyl-2-pentanone	0.01%
cis-1,4-dihydroxy-p-menth-2-ene	0.01%
p-mentha-1,4-dien-7-ol	0.01%
compound mw=152	0.01%
Ester	**0.67%**
terpinyl acetate	0.58%
terpenic ester	0.07%
bornyl acetate	0.02%
Oxide	**0.49%**
1,8-cineole	0.49%
Sesquiterpenol	**0.18%**
selin-11-en-4-ol	0.17%
sesquiphellandrol isomer	0.01%
Phenol	**0.04%**
carvacrol	0.03%

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thymol	0.01%
Aldehyde	**0.01%**
cuminal	0.01%

SPECIFIC GRAVITY @20°C	REFRACTIVE INDEX @20°C	OPTICAL ROTATION @20°C	FLASH POINT
.887	**1.483**	**-42.85**	**45.7**

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