AROMATICS DATA

GC-MS BATCH SUMMARY

Batch SPL-113

November 8, 2026

Spike Lavender Essential Oil

Lavandula latifolia

Essential Oil

DISTILLATION DATE	EXTRACTION	CULTIVATION	COUNTRY OF ORIGIN
August 20, 2024	**Steam Distilled**	**Certified Organic**	**Spain**

TOP 5 COMPONENTS

of 101 measured

linalool	Monoterpenol	**36.11%**
1,8-cineole	Oxide	**34.10%**
camphor	Ketone	**10.24%**
limonene (d)	Monoterpene	**2.53%**
α-pinene	Monoterpene	**1.91%**

Full composition · 101 components across 9 families

Monoterpenol	**38.58%**
linalool	36.11%
α-terpineol	0.73%
borneol	0.51%
δ-terpineol	0.25%
terpinen-4-ol	0.23%
(E)-thujanol	0.19%
(E)-pinocarveol	0.08%
(E)-verbenol	0.07%
τ-cadinol	0.06%
myrtenol	0.06%

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/spike-lavender-essential-oil#batch=SPL-113

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p-cymen-8-ol	0.05%
(Z)-thujanol	0.04%
(E)-carveol	0.04%
1-octanol	0.03%
geraniol	0.03%
lavandulol	0.02%
(E)-p-mentha-1(7),8-dien-2-ol	0.02%
hotrienol	0.02%
fenchol	0.01%
cuminol	0.01%
3-hexen-1-ol	0.01%
(E)-piperitol	0.01%
Oxide	**34.49%**
1,8-cineole	34.10%
caryophyllene oxide	0.11%
linalool (Z)-oxide	0.10%
linalool (E)-oxide	0.10%
2,3-dehydro-1,8-cineole	0.04%
humulene epoxide	0.03%
isocaryophyllene oxide	0.01%
Monoterpene	**11.83%**
limonene (d)	2.53%
α-pinene	1.91%
β-pinene	1.47%
camphene	1.22%
β-phellandrene	1.19%
p-cymene	0.97%
γ-terpinene	0.64%
β-myrcene	0.49%

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sabinene	0.45%
tricyclene	0.20%
(Z)-β-ocimene	0.19%
α-phellandrene	0.15%
α-terpinene	0.13%
terpinolene	0.13%
(E)-β-ocimene	0.05%
α-fenchene	0.03%
pinadiene	0.03%
α-thujene	0.02%
p-mentha-1,3,8-triene	0.02%
psi-limonene	0.01%
Ketone	**10.44%**
camphor	10.24%
cryptone	0.07%
nopinone	0.05%
3-octanone	0.04%
camphenilone	0.02%
pinocarvone	0.01%
p-methylacetophenone	0.01%
Sesquiterpene	**3.42%**
(E)-α-bisabolene	1.13%
β-caryophyllene	0.83%
germacrene D	0.35%
(E)-β-farnesene	0.25%
β-bisabolene	0.15%
(E)-α-bergamotene	0.09%
γ-cadinene	0.08%
bergamotene isomer	0.07%

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(E,E)-α-farnesene	0.07%
β-bourbonene	0.06%
bicyclogermacrene	0.05%
β-1-cubebene	0.04%
(Z)-β-farnesene	0.04%
daucene	0.04%
α-gurjunene	0.04%
α-caryophyllene	0.04%
sesquiterpene	0.03%
cadina-3,5-diene	0.03%
ε-cadinene	0.02%
β-elemene	0.01%
Ester	**0.49%**
linalyl acetate	0.13%
hexyl 2-methylbutyrate	0.11%
hexyl tiglate	0.08%
hexyl butyrate	0.05%
lavandulyl acetate	0.03%
geranyl acetate	0.02%
bornyl formate	0.02%
neryl acetate	0.02%
bornyl acetate	0.02%
aliphatic ester	0.01%
Other	**0.44%**
lavandulyl methylbutyrate	0.14%
1-hexanol	0.05%
hexyl 3-methylbutyrate	0.05%
coumarin	0.05%
hexyl methylpropionate	0.04%

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terpenic compound	0.04%
lavandulyl isobutyrate	0.02%
lavandulyl butyrate	0.02%
sesquiterpenic compound	0.01%
lavandulyl methylbutyrate isomer	0.01%
compound mw=152	0.01%
Sesquiterpenol	**0.10%**
1-octen-3-ol	0.06%
α-bisabolol	0.04%
Aldehyde	**0.07%**
myrtenal	0.04%
α-campholenal	0.03%

SPECIFIC GRAVITY @20°C	REFRACTIVE INDEX @20°C	OPTICAL ROTATION @20°C	FLASH POINT
.901	**1.464**	**-1.65**	**59.3**

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