AROMATICS DATA

GC-MS BATCH SUMMARY

Batch ROO-108

November 9, 2026

Rose Otto Essential Oil

Rosa x damascena

Essential Oil

DISTILLATION DATE	EXTRACTION	CULTIVATION	COUNTRY OF ORIGIN
June 20, 2025	Steam Distilled	Certified Organic	Bulgaria

TOP 5 COMPONENTS

of 60 measured

citronellol	Monoterpenol	29.25%
nonadecane	Other	18.79%
geraniol	Monoterpenol	18.13%
nerol	Monoterpenol	9.41%
heneicosane	Other	6.43%

Full composition · 60 components across 10 families

Monoterpenol	**58.39%**
citronellol	29.25%
geraniol	18.13%
nerol	9.41%
linalool	1.21%
α-terpineol	0.21%
terpinen-4-ol	0.07%
isopulegol	0.06%
(Z)-isogeraniol	0.05%
Other	**33.15%**
nonadecane	18.79%

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/rose-otto-essential-oil#batch=ROO-108

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heneicosane	6.43%
heptadecane	2.96%
eicosane	2.82%
phenylethyl alcohol	1.56%
farnesal	0.27%
1-pentadecanol	0.14%
pentadecane	0.05%
dihydrocitronellol	0.04%
hydroxy citronellol	0.03%
1-hexanol	0.03%
heptanal	0.02%
1-hexadecanol	0.01%
Sesquiterpene	**2.94%**
nonadecene	1.03%
germacrene D	0.49%
β-caryophyllene	0.38%
α-caryophyllene	0.19%
γ-cadinene	0.16%
α-guaiene	0.14%
δ-guaiene	0.13%
α-amorphene	0.09%
β-elemene	0.09%
β-copaene	0.05%
(E,E)-α-farnesene	0.05%
dauca-5,8-diene	0.04%
γ-muurolene	0.04%
α-selinene	0.02%
β-bourbonene	0.02%
γ-amorphene	0.02%

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Ester	**2.13%**
geranyl acetate	1.83%
citronellyl acetate	0.23%
2-phenylethyl acetate	0.07%
Monoterpene	**0.59%**
α-pinene	0.27%
β-myrcene	0.16%
β-pinene	0.06%
(Z)-β-ocimene	0.03%
sabinene	0.02%
γ-terpinene	0.02%
limonene (d)	0.02%
terpinolene	0.01%
Aldehyde	**0.48%**
geranial	0.27%
neral	0.21%
Phenol	**0.46%**
eugenol	0.46%
Sesquiterpenol	**0.31%**
β-eudesmol	0.08%
γ-eudesmol	0.07%
α-eudesmol	0.07%
elemol	0.05%
(E)-nerolidol	0.04%
Ether	**0.19%**
methyl eugenol	0.19%
Oxide	**0.07%**
(Z)-rose oxide	0.04%

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(E)-rose oxide	0.02%
caryophyllene oxide	0.01%

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