

Rose and Geranium Essential Oil

Rosa x centifolia/Pelargonium graveolens

Essential Oil

DISTILLATION DATE January 23, 2024	EXTRACTION Steam Distilled	CULTIVATION Organically Grown	COUNTRY OF ORIGIN South Africa
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TOP 5 COMPONENTS		of 96 measured
citronellol	Monoterpenol	24.45%
citronellyl formate	Ester	10.83%
geraniol	Monoterpenol	9.57%
6,9-guaiadiene	Sesquiterpene	8.22%
isomenthone	Ketone	7.10%

Full composition · 96 components across 9 families

Monoterpenol	42.80%
citronellol	24.45%
geraniol	9.57%
linalool	6.56%
nerol	0.82%
α-terpineol	0.70%
neoisomenthol	0.22%
δ-terpineol	0.15%
isopulegol	0.07%
terpinen-4-ol	0.06%
(Z)-isogeraniol	0.06%

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

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p-mentha-1,5-dien-8-ol	0.05%
myrcenol	0.05%
menthol	0.03%
1-octanol	0.01%
Ester	18.85%
citronellyl formate	10.83%
geranyl formate	3.79%
geranyl propionate	0.98%
geranyl butyrate	0.73%
citronellyl butyrate	0.54%
citronellyl acetate	0.43%
geranyl tiglate	0.39%
neryl formate	0.39%
2-phenylethyl tiglate	0.35%
citronellyl tiglate	0.18%
geranyl 2-methylbutyrate	0.11%
2-phenylethyl isobutyrate	0.07%
geranyl caproate	0.03%
(Z)-muurola-4(14),5-diene	0.02%
neryl acetate	0.01%
Sesquiterpene	18.45%
6,9-guaiadiene	8.22%
β -caryophyllene	1.99%
β -bourbonene	1.67%
germacrene D	1.10%
α -guaiene	0.78%
δ -cadinene	0.69%
β -copaene	0.68%
α -copaene	0.51%

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α -caryophyllene	0.46%
β -selinene	0.40%
γ -cadinene	0.37%
β -elemene	0.32%
allo-aromadendrene	0.15%
β -cadinene	0.14%
α -cubebene	0.13%
α -selinene	0.12%
γ -muurolene	0.11%
(E)-cadin-1,4-diene	0.09%
1-epi-bicyclosesquiphellandrene	0.07%
italicene	0.06%
β -bisabolene	0.06%
α -ylangene	0.06%
α -calacorene	0.05%
α -gurjunene	0.04%
β -caryophyllene	0.04%
(E,E)- α -farnesene	0.04%
δ -guaiene	0.04%
γ -amorphene	0.03%
δ -elemene	0.03%
Ketone	10.09%
isomenthone	7.10%
menthone	2.83%
6-methyl-5-hepten-2-one	0.16%
Oxide	2.27%
(Z)-rose oxide	1.45%
(E)-rose oxide	0.58%
linalool (Z)-oxide	0.19%

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humulene epoxide 2	0.05%
Other	1.48%
uk	0.82%
(E)-calamenene	0.15%
nonadecane	0.11%
35.02 geranyl valerate	0.08%
6-methyl-3,5-heptadien-2-one	0.07%
neo-menthyl acetate	0.07%
33.82 citronellyl pentanoate	0.04%
31.62 tridecenol<2e->	0.04%
3-methylpentanol	0.03%
31.32 bourbonanone<1-nor->	0.03%
heptadecane	0.03%
perillyl alcohol	0.01%
Monoterpene	1.39%
α -pinene	0.40%
limonene (d)	0.28%
β -myrcene	0.20%
(E)- β -ocimene	0.11%
α -phellandrene	0.11%
p-cymene	0.10%
(Z)- β -ocimene	0.09%
δ -2-carene	0.06%
terpinolene	0.03%
β -pinene	0.01%
Aldehyde	1.22%
neral	0.62%
geranial	0.60%

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Sesquiterpenol	0.88%
(E)-myrtanol	0.29%
α -muurolol	0.22%
1,10-epi-cubenol	0.15%
(Z)-sesquisabinene hydrate	0.13%
epi-cubenol	0.05%
junenol	0.03%
1-octen-3-ol	0.01%

REFRACTIVE INDEX @20°C

1.4660

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