GC-MS Profiling Analysis Prepared for Jade Bloom, Inc

Date: March 19, 2018 Sample: Tangerine

Type: Essential Oil
Source: Citrus reticulata cv. Tangerine
Batch: 1007059

ANALYSIS SUMMARY

Identification	DB-5 (%)	DB-WAX (%)	Classe
α-Thujene	0.11	0.11	Monoterpene
α-Pinene	0.69	0.69	Monoterpene
Camphene	tr	tr	Monoterpene
3-Pinene	0.40*	0.25	Monoterpene
Sabinene	[0.40]*	0.15	Monoterpene
Myrcene	1.72	1.74	Monoterpene
z-Phellandrene	0.03	0.03	Monoterpene
Octanal	0.03	0.03	Aliphatic aldehyde
\3-Carene	0.01	0.01	Monoterpene
a-Terpinene	0.05	0.06	Monoterpene
oara-Cymene	90.58*	0.29	Monoterpene
imonene	[90.58]*	90.77	Monoterpene
,8-Cineole	[90.58]*	0.21	Monoterpenic ether
E)-β-Ocimene	0.07	0.06	Monoterpene
y-Terpinene	2.89	2.84	Monoterpene
is-Sabinene hydrate	tr	tr	Monoterpenic alcohol
Octanol	0.06	0.07	Aliphatic alcohol
erpinolene	0.13	0.13	Monoterpene
inalool	0.19	0.20	Monoterpenic alcohol
Vonanal	0.02	0.02	Aliphatic aldehyde
is-Limonene oxide	0.02	0.02	Monoterpenic ether
rans-Limonene oxide	0.02	0.02	Monoterpenic ether
itronellal	0.01	0.03	Monoterpenic aldehyde
erpinen-4-ol	0.01	0.01	Monoterpenic alcohol
ı-Terpineol	0.07	0.08	Monoterpenic alcohol
Decanal	0.08	0.07	Aliphatic aldehyde
Octyl acetate	0.01	0.01	Aliphatic ester
rans-Carveol	0.01	0.01	Monoterpenic alcohol
Verol	0.01	0.01	Monoterpenic alcohol
Veral	0.03	0.05	Monoterpenic aldehyde
Geraniol	0.01	0.03	Monoterpenic alcohol
imonen-10-ol	0.02	0.01	Monoterpenic alcohol
Indecanal	tr	0.01	Aliphatic aldehyde
-Cubebene	tr	tr	Sesquiterpene
Veryl acetate	0.03	0.03	Monoterpenic ester
z-Copaene	0.04	0.04	Sesquiterpene
Geranyl acetate	0.06	0.16	Monoterpenic ester
3-Elemene	0.02	0.04*	Sesquiterpene
Dodecanal	0.04	0.05	Aliphatic aldehyde
B-Caryophyllene	0.02	[0.04]*	Sesquiterpene
rans-a-Bergamotene	0.01	0.01	Sesquiterpene
E)-β-Farnesene	0.03	0.03	Sesquiterpene
Germacrene D	0.06	0.05	Sesquiterpene
i-Muurolene	tr	0.01	Sesquiterpene
B-Bisabolene	0.12*	0.04	Sesquiterpene
y-Cadinene	[0.12]*	0.02	Sesquiterpene
5-Cadinene	0.05	0.02	Sesquiterpene
3-Sinensal	0.05	0.04	Sesquiterpenic aldehyde

Total identified	98.75%	99.19%	
3,3',4',5,6,7,8-Heptamethoxyflavone	0.09		Flavonoid
Tangeretin	0.20		Flavonoid
cis-Vaccenic acid?	0.09	[0.16]*	Aliphatic acid
Oleic acid	0.14	0.18	Aliphatic acid
Linoleic acid	0.17	0.16*	Aliphatic acid
Palmitic acid	0.18	0.19	Aliphatic acid
Myristic acid	0.09	0.09	Aliphatic acid
α-Sinensal	0.01	0.01	Sesquiterpenic aldehyde

^{*:} Two or more compounds are coeluting on this column

[xx]: Duplicate percentage due to coelutions, not taken account in the identified total

tr: The compound has been detected below 0.005% of total signal.

Note: no correction factor was applied

PHYSICOCHEMICAL DATA

Physical aspect: Bright orange liquid **Refractive index:** 1.4733 ± 0.0003 (20 °C)

CONCLUSION

No adulterant, contaminant or diluent has been detected using this method.

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