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Balancing Body, Mind and Spirit with Pure Essential Oils

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## Clementine Citrus nobilis

Batch No. #ME-59262

Italy

Monoterpenes	96.89%
limonene	90.86
myrcene	2.68
sabinene	0.87
$\gamma$ terpinene	0.81
$\alpha$ pinene	0.70
$\beta$ pinene	0.67
para-cymene	0.10
(Z) $\beta$ ocimene	0.07
$\delta$ 3 carene	0.05
terpinolene	0.05
2-carene	0.03

Monoterpenols	0.44%
linalol	0.27
$\alpha$ terpineol	0.08
terpinen-4-ol	0.06
1-undecanol	0.02
trans-sabinene hydrate	0.01

Esters	0.12%
neryl acetate	0.09
geranyl acetate	0.02
octyl acetate	0.01

Ethers	0.01%
(Z) limonene oxide	0.01

Other	0.02%
tricosane	0.01
auraptene	0.01

Aldehydes	1.23%
decanal	0.52
octanal	0.35
dodecanal	0.12
citronellal	0.09
citral	0.04
neral	0.03
perilla aldehyde	0.03
$\beta$ sinensal	0.03
nonanal	0.02

Sesquiterpenes	0.57%
$\beta$ bisabolene	0.09
$\beta$ cadinene	0.06
germacrene D	0.06
$\alpha$ cubebene	0.06
$\beta$ cubebene	0.06
$\beta$ caryophyllene	0.05
(E) $\alpha$ bergamotene	0.05
sibirene	0.04
$\beta$ elemene	0.03
(E,E) $\alpha$ farnesene	0.03
(E) $\beta$ farnesene	0.02
$\alpha$ humulene	0.01
$\gamma$ gurjunene	0.01

Sesquiterpenols	0.19%
(E,E) farnesol	0.19

Ketones	0.05%
6-methyl-5-hepten-2-one	0.03
2-hexanone	0.01
carvone	0.01

Date of analysis: 3/15/2022

Client



Source



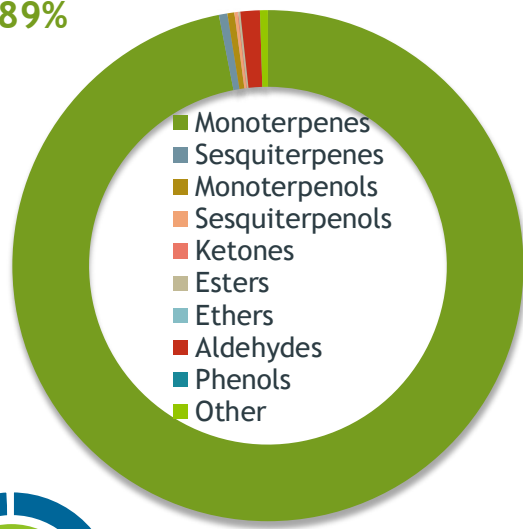
Clementine (Citrus Nobilis)  
IT-59262

Sample

Clementine (Citrus Nobilis)  
Batch #:..... IT-59262  
Type:..... Essential Oil  
CAS Number:.....  
Nature's Gift

Monoterpenes

96.89%



Client



Website



Primary

**90.86%** | Limonene  
**2.68%** | Myrcene  
**0.87%** | Sabinene



Percentage Identified

Result



Conclusion

No adulterants, diluents, or contaminants were detected via this method. This oil meets the expected profile for genuine Essential Oil of Clementine (Citrus Nobilis)

Internal Number: | EVS-5015



Essential Validation Services

747 SW 2nd Ave IMB 12 Suite 306  
Gainesville, FL 32601

317.361.5044 | <https://essentialvalidationservices.com/>

*Alan Christen*

Monoterpenes	96.89%	96.89%
Sesquiterpenes		0.54%
Monoterpenols		0.44%
Sesquiterpenols		0.19%
Ketones		0.05%
Esters		0.12%
Ethers		0.01%
Aldehydes		1.23%
Phenols		0.00%
Other		0.50%

ESSENTIAL VALIDATION SERVICES | 747 SW 2ND AVE GAINESVILLE, FLORIDA 32601 | 317-361-5044

- Essential Oil testing is performed by using qualitative GC-MS. Method: SOP.T.01 Client Method  
- This report may not be published without the consent of Essential Validation Services.  
- Chromatograph image may be requested  
- This report is valid for 1 year from the analyzed date

Client



Source

Clementine (*Citrus Nobilis*)

IT-59262

Total Percentage		99.52%		
Number	RT	Area %	Compound Name	Chemical Family
1	3.89	0.01%	2-Hexanone	Aliphatic Ketone
2	8.00	0.70%	alpha-Pinene	Monoterpene
3	9.54	0.87%	Sabinene	Monoterpene
4	9.70	0.67%	beta-Pinene	Monoterpene
5	10.10	0.03%	6-Methyl-5-hepten-2-one	Aliphatic Ketone
6	10.29	2.68%	Myrcene	Monoterpene
7	10.87	0.35%	Octanal	Aliphatic Aldehyde
8	11.03	0.05%	delta-3-Carene	Monoterpene
9	11.40	0.03%	2-Carene	Monoterpene
10	11.75	0.10%	para-Cymene	Monoterpene
11	12.07	90.86%	Limonene	Monoterpene
12	12.77	0.07%	(Z)-beta-Ocimene	Monoterpene
13	13.23	0.81%	gamma-Terpinene	Monoterpene
14	13.75	0.01%	trans-Sabinene hydrate	Monoterpenol
15	14.45	0.05%	Terpinolene	Monoterpene
16	15.17	0.27%	Linalool	Monoterpenol
17	15.40	0.02%	Nonanal	Aliphatic Aldehyde
18	16.79	0.01%	cis-Limonene oxide	Monoterpene Ether
19	17.56	0.09%	Citronellal	Monoterpene Aldehyde
20	18.76	0.06%	Terpinen-4-ol	Monoterpenol
21	19.45	0.08%	alpha-Terpineol	Monoterpenol
22	20.06	0.52%	Decanal	Aliphatic Aldehyde
23	20.31	0.01%	Octyl acetate	Aliphatic Ester
24	21.45	0.03%	Neral	Monoterpene Aldehyde
25	21.64	0.01%	Carvone	Monoterpene Ketone
26	22.80	0.04%	Citral	Monoterpene Aldehyde
27	23.02	0.03%	Perilla aldehyde	Monoterpene Aldehyde
28	26.83	0.09%	Neryl acetate	Monoterpene Ester
29	27.40	0.06%	alpha-Cubebene	Sesquiterpene
30	27.67	0.02%	Geranyl acetate	Monoterpene Ester
31	27.94	0.06%	beta-Cubebene	Sesquiterpene
32	28.02	0.03%	beta-Elemene	Sesquiterpene
33	28.31	0.02%	1-Undecanol	Monoterpenol
34	28.99	0.12%	Dodecanal	Aliphatic Aldehyde
35	29.19	0.05%	beta-Caryophyllene	Sesquiterpene

