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Balancing Body, Mind and Spirit with Pure Essential Oils

Since 1995

www.naturesgift.com

Bergamot FCF

Citrus Bergamia

Batch No. IT-59025

Italy

Monoterpenes	50.12%	Monoterpenols	13.56%	Esters	34.21%
limonene	33.71	linalol	13.19	linalyl acetate	32.48
β pinene	5.51	α terpineol	0.17	neryl acetate	0.66
γ terpinene	4.86	(Z) linalool oxide (5)	0.09	geranyl acetate	0.63
p-cymene	2.24	(E) para-mentha-2,8-dien-1-ol	0.03	α terpinyl acetate	0.24
myrcene	1.06	terpinen-4-ol	0.02	octyl acetate	0.14
sabinene	0.99	nerol	0.02	citronellyl acetate	0.02
α pinene	0.92	trans-pinocarveol	0.01	(Z) 3-hexenyl butyrate	0.01
terpinolene	0.32	para-cymen-8-ol	0.01	bornyl acetate	0.01
(E) β ocimene	0.21	trans-carveol	0.01	nonyl acetate	0.01
α thujene	0.15	(Z) linalool oxide (6)	0.01	decyl acetate	0.01
cis- β -ocimene	0.06				
α terpinene	0.05				
camphene	0.02	Sesquiterpenes	0.85%	Ethers	0.13%
α phellandrene	0.01	β bisabolene	0.29	caryophyllene oxide	0.05
alloocimene	0.01	β caryophyllene	0.27	(E) limonene oxide	0.05
		(E) α bergamotene	0.22	(Z) limonene oxide	0.03
		(E) β farnesene	0.03		
		(Z) α bisabolene	0.02		
		(Z) α bergamotene	0.01	Ketones	0.09%
Aldehydes	0.51%	β santalene	0.01	carvone	0.06
citronellal	0.01			6-methyl-5-hepten-2-one	0.01
decanal	0.01			camphor	0.01
geranial	0.30			pinocarvone	0.01
perilla aldehyde	0.01				
neral	0.18			Other	0.02%
				1-octanol	0.01
				tetradecane	0.01

Raw Material: rhind

Botanical Name: Citrus bergamia

Production Method: Steam distillation

Date of analysis: February, 13, 2020

Client



Source



Bergamot FCF (Citrus bergamia)
IT-59025

Sample

Bergamot FCF (Citrus bergamia)

Batch #:..... IT-59025

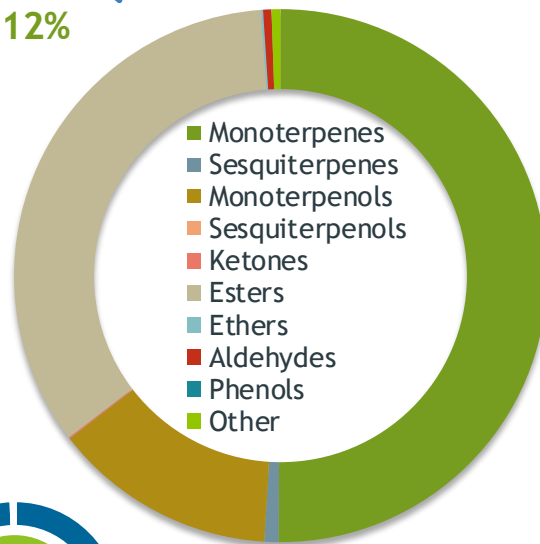
Type:..... Essential Oil

CAS Number:... 8007-75-8

Nature's Gift

Monoterpenes

50.12%



Percentage Identified

Client



Website



Primary

33.71%

Limonene

32.48%

Linalyl acetate

13.19%

Linalool

Result



Conclusion

No adulterants, Diluents, or contaminants were detected via this method. This oil meets the expected profile for genuine Essential Oil of Bergamot FCF (Citrus bergamia)

Internal Number: | EVS-3559



Essential Validation Services

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

317.361.5044 |

<https://essentialvalidationservices.com/>

adam@essentialvalidationservices.com

Monoterpenes	50.12%	50.12%
Sesquiterpenes	0.85%	0.85%
Monoterpenols	13.56%	13.56%
Sesquiterpenols	0.00%	0.00%
Ketones	0.09%	0.09%
Esters	34.21%	34.21%
Ethers	0.13%	0.13%
Aldehydes	0.51%	0.51%
Phenols	0.00%	0.00%
Other	0.54%	0.54%

- 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

Bergamot FCF (*Citrus bergamia*)

IT-59025

Total Percentage		99.48%		
Number	RT	Area %	Compound Name	Chemical Family
1	8.45	0.15%	alpha-Thujene	Monoterpene
2	8.71	0.92%	alpha-Pinene	Monoterpene
3	9.35	0.02%	Camphene	Monoterpene
4	10.31	0.99%	Sabinene	Monoterpene
5	10.49	5.51%	beta-Pinene	Monoterpene
6	10.86	0.01%	6-Methyl-5-hepten-2-one	Aliphatic Ketone
7	11.07	1.06%	Myrcene	Monoterpene
8	11.75	0.01%	alpha-Phellandrene	Monoterpene
9	12.22	0.05%	alpha-Terpinene	Monoterpene
10	12.57	2.24%	para-Cymene	Monoterpene
11	12.85	33.71%	Limonene	Monoterpene
12	13.15	0.06%	(Z)-beta-Ocimene	Monoterpene
13	13.61	0.21%	(E)-beta-Ocimene	Monoterpene
14	14.12	4.86%	gamma-Terpinene	Monoterpene
15	14.66	0.09%	cis-Linalool oxide (5) (furanoid)	Monoterpenol
16	14.77	0.01%	1-Octanol	Aliphatic Alcohol
17	15.35	0.32%	Terpinolene	Monoterpene
18	16.12	13.19%	Linalool	Monoterpenol
19	17.01	0.03%	trans-para-Mentha-2,8-dien-1-ol	Monoterpenol
20	17.39	0.01%	Alloocimene	Monoterpene
21	17.51	0.03%	cis-Limonene oxide	Monoterpene Ether
22	17.71	0.05%	trans-Limonene oxide	Monoterpene Ether
23	17.85	0.01%	trans-Pinocarveol	Monoterpenol
24	18.11	0.01%	Camphor	Monoterpene Ketone
25	18.49	0.01%	Citronellal	Monoterpene Aldehyde
26	18.83	0.01%	Pinocarpone	Monoterpene Ketone
27	19.24	0.01%	cis-Linalool oxide (6) (pyranoid)	Monoterpenol
28	19.72	0.02%	Terpinen-4-ol	Monoterpenol
29	20.04	0.01%	para-Cymen-8-ol	Monoterpenol
30	20.18	0.01%	(Z)-3-Hexenyl butyrate	Aliphatic Ester
31	20.41	0.17%	alpha-Terpineol	Monoterpenol
32	21.00	0.01%	Decanal	Aliphatic Aldehyde
33	21.24	0.14%	Octyl acetate	Aliphatic Ester
34	21.53	0.01%	trans-Carveol	Monoterpenol
35	21.82	0.02%	Nerol	Monoterpenol

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Client



Source



Bergamot FCF (Citrus bergamia) IT-59025

Table with 5 columns: Number, RT, Area %, Compound Name, Chemical Family. Rows 36-56 contain identified compounds like Neral, Carvone, Linalyl acetate, etc.

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Bergamot FCF (Citrus bergamia)

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