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Balancing Body, Mind and Spirit with Pure Essential Oils

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Eucalyptus Dives (Peppermint Eucalyptus)

Eucalyptus dives

South Africa

Batch #ZA-59188

Monoterpenes 42.48%

α phellandrene	17.37
para cymene	6.83
β phellandrene	4.20
α thujene	4.07
terpinolene	2.94
myrcene	2.21
α terpinene	1.96
γ terpinene	1.22
(E) β ocimene	0.63
α pinene	0.63
sabinene	0.15
para cymenene	0.10
limonene + (Z) β ocimene	0.07
β pinene	0.07
alloocimene	0.02
1,3,8-para-menthatriene	0.01

Aldehydes 0.05%

citral	0.02
geranial	0.03

Ethers 0.02%

caryophyllene oxide	0.02
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Phenols 0.01%

eugenol	0.01
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Monoterpenols 12.06%

terpinen-4-ol	6.69
α terpineol	1.92
linalol	1.82
cis para menth-2-en-1-ol	0.51
cis 2,3 pinanediol	0.26
(Z) pinocarveol	0.25
(E) piperitol	0.19
p-cymen-8-ol	0.18
borneol	0.13
carvacrol	0.07
(Z) linalool oxide (5) (furanoid)	0.02
hotrienol	0.01
nerol	0.01

Esters 0.12%

α terpinyl acetate	0.09
isoamyl acetate	0.01
2-methylbutyl acetate	0.01
methyl benzoate	0.01

Ketones 40.17%

piperitone	39.93
(Z) dihydrocarvone	0.21
carvotanacetone	0.03

Other 0.01%

3-methylpentanol	0.01
thujanol iso 3	0.02

Sesquiterpenes 2.64%

bicyclgermacrene	0.76
β caryophyllene	0.53
δ elemene	0.45
viridiflorene	0.31
allo-aromadendrene	0.23
α humulene	0.07
aromadendrene	0.06
β guaiene	0.06
β elemene	0.05
germacrene D	0.04
α gurjunene	0.02
β cadinene	0.02
isolekene	0.01
β gurjunene	0.01
α guaiene	0.01
germacrene B	0.01

Sesquiterpenols 0.82%

isopathulenol	0.18
maaliol	0.17
viridiflorol	0.12
spathulenol	0.11
α eudesmol	0.10
palustrol	0.06
ledol	0.04
rosifoliol	0.03
elemol	0.01

Raw Material: leaves

INCI Name: EUCALYPTUS DIVES LEAF OIL

Production Method: Steam distillation

Date of analysis: 7/20/2021

Client



Source



Eucalyptus, Peppermint (Eucalyptus dives ct. piperitone)
ZA-59188

Sample

Eucalyptus, Peppermint (Eucalyptus dives)
Batch #:..... | ZA-59188
Type:..... | Essential Oil
CAS Number:.....
Nature's Gift

Client



Website

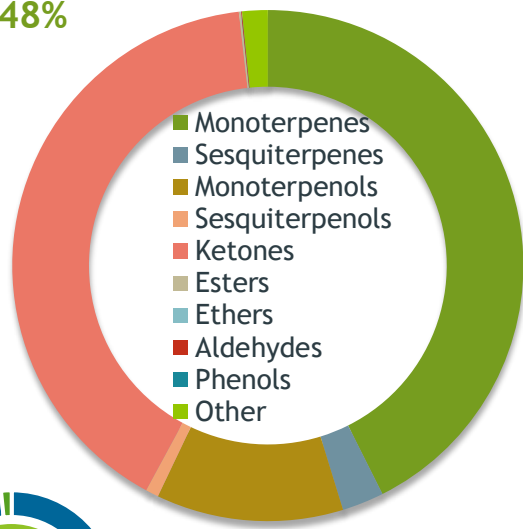


Primary

39.93% | Piperitone
17.37% | alpha-Phellandrene
6.83% | para-Cymene

Monoterpenes

42.48%



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 Eucalyptus, Peppermint (Eucalyptus dives ct. piperitone)

Internal Number: | EVS-4435



Essential Validation Services

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

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

Monoterpenes	42.48%	42.48%
Sesquiterpenes	2.64%	2.64%
Monoterpenols	11.80%	11.80%
Sesquiterpenols	0.82%	0.82%
Ketones	40.17%	40.17%
Esters	0.12%	0.12%
Ethers	0.02%	0.02%
Aldehydes	0.05%	0.05%
Phenols	0.01%	0.01%
Other	1.61%	1.61%

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- 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



Eucalyptus, Peppermint (Eucalyptus dives ct. piperitone)
ZA-59188

Total Percentage		98.40%		
Number	RT	Area %	Compound Name	Chemical Family
1	5.37	0.01%	3-Methylpentanol	Aliphatic Alcohol
2	6.26	0.01%	Isoamyl acetate	Aliphatic Ester
3	6.33	0.01%	2-Methylbutyl acetate	Aliphatic Ester
4	7.90	4.07%	alpha-Thujene	Monoterpene
5	8.15	0.63%	alpha-Pinene	Monoterpene
6	9.70	0.15%	Sabinene	Monoterpene
7	9.87	0.07%	beta-Pinene	Monoterpene
8	10.45	2.21%	Myrcene	Monoterpene
9	11.15	17.37%	alpha-Phellandrene	Monoterpene
10	11.57	1.96%	alpha-Terpinene	Monoterpene
11	11.91	6.83%	para-Cymene	Monoterpene
12	12.15	4.20%	beta-Phellandrene	Monoterpene
13	12.16	Co-Eluting	Limonene	Monoterpene
14	12.48	0.07%	(Z)-beta-Ocimene	Monoterpene
15	12.94	0.63%	(E)-beta-Ocimene	Monoterpene
16	13.41	1.22%	gamma-Terpinene	Monoterpene
17	13.97	0.02%	cis-Linalool oxide (5) (furanoid)	Monoterpenol
18	14.64	2.94%	Terpinolene	Monoterpene
19	14.84	0.10%	para-Cymenene	Monoterpene
20	15.01	0.01%	Methyl benzoate	Phenolic Ester
21	15.37	1.82%	Linalool	Monoterpenol
22	15.51	0.01%	Hotrienol	Monoterpenol
23	15.86	0.01%	1,3,8-para-Menthatriene	Monoterpene
24	16.39	0.51%	cis-para-Menth-2-en-1-ol	Monoterpenol
25	16.65	0.02%	Alloocimene	Monoterpene
26	17.55	0.02%	12.94 Thujanol<iso-3->	0.00
27	18.64	0.13%	Borneol	Monoterpenol
28	19.00	6.69%	Terpinen-4-ol	Monoterpenol
29	19.14	0.21%	cis-Dihydrocarvone	Monoterpene Ketone
30	19.35	0.18%	para-Cymen-8-ol	Monoterpenol
31	19.67	1.92%	alpha-Terpineol	Monoterpenol
32	20.02	0.25%	cis-Pinocarveol	Monoterpenol
33	20.34	0.19%	trans-Piperitol	Monoterpenol
34	21.16	0.01%	Nerol	Monoterpenol
35	21.67	0.02%	Citral	Monoterpene Aldehyde

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Client



Source



Eucalyptus, Peppermint (Eucalyptus dives ct. piperitone)
ZA-59188

Number	RT	Area %	Compound Name	Chemical Family
36	22.069	0.03%	Carvotanacetone	Monoterpene Aldehyde
37	22.51	39.93%	Piperitone	Monoterpene Ketone
38	23.01	0.03%	Geranial	Monoterpene Aldehyde
39	24.43	0.07%	Carvacrol	Monoterpenol
40	25.23	0.26%	21.01 Pinanediol<cis-2,3->	0.00
41	25.77	0.45%	delta-Elemene	Sesquiterpene
42	26.43	0.09%	alpha-Terpinyl acetate	Monoterpene Ester
43	26.62	0.01%	Eugenol	Phenylpropanoid
44	27.65	0.01%	Isoledene	Sesquiterpene
45	28.24	0.05%	beta-Elemene	Sesquiterpene
46	29.07	0.02%	alpha-Gurjunene	Sesquiterpene
47	29.41	0.53%	beta-Caryophyllene	Sesquiterpene
48	30.00	0.01%	beta-Gurjunene	Sesquiterpene
49	30.19	0.06%	Aromadendrene	Sesquiterpene
50	30.37	0.01%	alpha-Guaiene	Sesquiterpene
51	30.88	0.07%	alpha-Humulene	Sesquiterpene
52	31.06	0.23%	allo-Aromadendrene	Sesquiterpene
53	31.94	0.04%	Germacrene D	Sesquiterpene
54	32.24	0.06%	beta-Guaiene	Sesquiterpene
55	32.38	0.31%	Viridiflorene	Sesquiterpene
56	32.54	0.76%	Bicyclogermacrene	Sesquiterpene
57	33.50	0.02%	beta-Cadinene	Sesquiterpene
58	34.65	0.01%	Elemol	Sesquiterpenol
59	35.12	0.01%	Germacrene B	Sesquiterpene
60	35.41	0.06%	Palustrol	Sesquiterpenol
61	35.68	0.11%	Spathulenol	Sesquiterpenol
62	35.85	0.02%	Caryophyllene oxide	Sesquiterpene Ether
63	36.02	0.17%	Maaliol	Sesquiterpenol
64	36.34	0.12%	Viridiflorol	Sesquiterpenol
65	36.73	0.04%	Ledol	Sesquiterpenol
66	37.50	0.03%	Rosifoliol	Sesquiterpenol
67	37.84	0.18%	Isospathulenol	Sesquiterpenol
68	38.64	0.10%	alpha-Eudesmol	Sesquiterpenol

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