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Balancing Body, Mind and Spirit with Pure Essential Oils

Since 1995

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Vetiver

Vetiveria zizanioides

Madagascar

Batch MG-59387

Sesquiterpenes 31.681%

β Vetivenene	5.56
β vetispirene	4.14
β vetivenene isomer	3.09
α Amorphene	2.96
γ Vetivenene	2.66
β cadinene	2.38
α Vetispirine	1.61
β acoradiene	1.14
(E) β guaiene	1.06
γ Amorphene	0.85
khusimene	0.77
prezizaene	0.72
α guaiene	0.69
nootkatene	0.68
β gurjunene	0.63
α calacorene	0.48
(E) muurola-4(14),5-diene	0.34
γ vetivenene isomer	0.3
γ cadinene	0.23
zonarene	0.21
2-epi β funebrene	0.19
α Ylangene	0.19
β cedrene	0.19
α gurjunene	0.17
2-epi α funebrene	0.14
acora-3,7(14)-diene	0.11
α selinene	0.06
α cubebene	0.05
β elemene	0.05
β cubebene	0.03

Other 39.84%

unknown	37.82
furfural	0.05
zizanoicacid	1.97

Sesquiterpenols 13.86%

khusimol	5.86
vetiselinenol	2.49
1,10-di-epi-cubenol	1.01
junenol	0.94
γ eudesmol	0.7
elemol	0.56
cedrol	0.53
α cadinol	0.50
13-hydroxy-valencene	0.5
cedr-8-en-13-ol	0.45
7,14-anhydro-amorpha-4,9-diene	0.32

Aldehydes 3.2%

(E)-isovalencenal	2.76
isobicyclgermacrenal	0.22
1,7-diepi- α cedrenal	0.22

Ketones 15.03%

β Vetivone	4.70
α Vetivone	4.65
junicedranol	1.84
epi-zizanone	1.20
khusimone	0.76
Nootkatone	0.72
junipercamphor	0.68
oplopanone	0.48

Date of Analysis: 1/3/2024

Client



Source



Vetiver (*Vetiveria zizanioides*)

MG-59387 - Madagascar

Sample

Vetiver (*Vetiveria zizanioides*)

Identification #: MG-59387

Type:..... Essential Oil

CAS Number:... 84238-29-9

Nature's Gift

Properties

Country Of Origin | Madagascar

Specific Gravity | NT

Refractive Index | NT

Primary

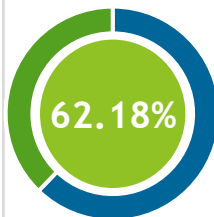
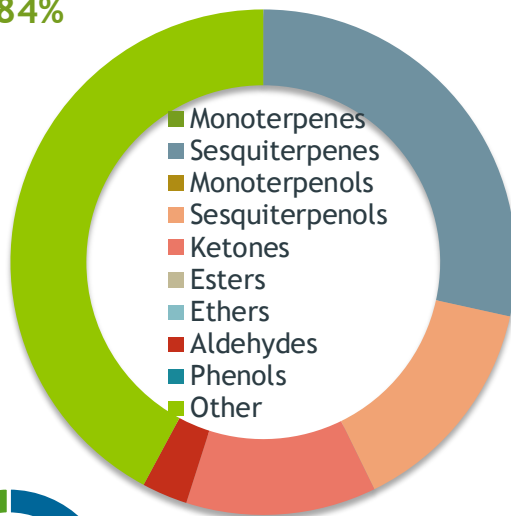
5.86% | Khusimol

5.56% | beta-Vetivenene

5.26% | UK Compounds

Other

39.84%



Percentage Identified

Result



3/15/2024

Conclusion

No adulterants, diluents, or contaminants were detected via this method. This oil meets the expected profile for genuine Essential Oil of Vetiver (*Vetiveria zizanioides*)

Internal Number: | EVS-6089



Essential Validation Services

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

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

Alan Christen

Monoterpenes	0.00%	0.00%
Sesquiterpenes	26.89%	26.89
Monoterpenols	0.00%	0.00%
Sesquiterpenols	13.52%	13.52%
Ketones	11.51%	11.51
Esters	0.00%	0.00%
Ethers	0.00%	0.00%
Aldehydes	2.76%	2.76%
Phenols	0.00%	0.00%
Other	39.84%	39.84

Client



Source

Vetiver (*Vetiveria zizanioides*)

MG-59387

Total Percentage		62.18%		
Number	RT	Area %	Compound Name	Chemical Family
1	5.03	0.05%	Furfural	Furan
2	26.44	0.05%	alpha-Cubebene	Sesquiterpene
3	27.36	0.19%	alpha-Ylangene	Sesquiterpene
4	27.85	0.14%	2-epi-alpha-Funebrene	Sesquiterpene
5	28.26	0.05%	beta-Elemene	Sesquiterpene
6	28.84	0.03%	beta-Cubebene	Sesquiterpene
7	29.09	0.11%	Acora-3,7(14)-diene	Sesquiterpene
8	29.22	0.19%	2-epi-beta-Funebrene	Sesquiterpene
9	29.40	0.17%	alpha-Gurjunene	Sesquiterpene
10	29.58	0.19%	beta-Cedrene	Sesquiterpene
11	30.39	0.63%	beta-Gurjunene	Sesquiterpene
12	30.68	0.72%	Prezizaene	Sesquiterpene
13	30.87	0.77%	Khusimene	Sesquiterpene
14	31.02	0.69%	alpha-Guaiene	Sesquiterpene
15	31.32	1.14%	beta-Acoradiene	Sesquiterpene
16	31.93	2.96%	alpha-Amorphene	Sesquiterpene
17	32.11	1.61%	alpha-Vetispirene	Sesquiterpene
18	32.29	4.14%	beta-Vetispirene	Sesquiterpene
19	32.46	0.85%	gamma-Amorphene	Sesquiterpene
20	32.56	0.06%	alpha-Selinene	Sesquiterpene
21	32.67	0.34%	28.53 Muurola-4(14),5-diene<trans->	0.00
22	32.81	0.71%	UK Compounds	
23	32.90	2.38%	beta-Cadinene	Sesquiterpene
24	33.26	0.68%	Nootkatene	Sesquiterpene
25	33.48	1.06%	28.92 Guaiene<trans-beta->	0.00
26	33.67	0.21%	Zonarene	Sesquiterpene
27	33.85	2.66%	gamma-Vetivenene	Sesquiterpene
28	34.04	0.23%	gamma-Cadinene	Sesquiterpene
29	34.35	0.48%	alpha-Calacorene	Sesquiterpene
30	34.60	0.30%	gamma-Vetivenene Isomer	
31	34.67	0.56%	Elemol	Sesquiterpenol
32	34.82	5.56%	beta-Vetivenene	Sesquiterpene
33	35.15	3.09%	beta-Vetivenene Isomer	
34	36.05	1.15%	UK Compounds	
35	36.36	0.53%	Cedrol	Sesquiterpenol

Client



Source



Vetiver (Vetiveria zizanioides)
MG-59387

Number	RT	Area %	Compound Name	Chemical Family
36	36.688	0.76%	Khusimone	Sesquiterpenol
37	37.16	1.62%	UK Compounds	
38	37.40	0.94%	Junenol	Sesquiterpenol
39	37.46	0.92%	UK Compounds	
40	37.69	1.06%	UK Compounds	
41	37.80	0.70%	gamma-Eudesmol	Sesquiterpenol
42	37.89	1.01%	1,10-di-epi-Cubenol	Sesquiterpenol
43	38.15	0.22%	34.42 Cedrenal<1,7-diepi-alpha->	0.00
44	38.45	0.50%	alpha-Cadinol	Sesquiterpenol
45	38.61	5.26%	UK Compounds	
46	38.73	0.86%	UK Compounds	
47	38.86	1.28%	UK Compounds	
48	39.04	1.02%	UK Compounds	
49	39.10	1.20%	35.54 Zizanone<epi->	0.00
50	39.41	0.96%	UK Compounds	
51	39.78	1.84%	36.44 Junicedranol	0.00
52	39.95	0.45%	Cedr-8-en-13-ol	Sesquiterpenol
53	40.20	0.68%	Junipercamphor	Sesquiterpene Ketone
54	40.23	0.84%	UK Compounds	
55	40.65	1.13%	UK Compounds	
56	41.13	2.49%	Vetiselinenol	Sesquiterpenol
57	41.49	0.48%	Oplopanone	Sesquiterpenol
58	41.90	5.86%	Khusimol	Sesquiterpenol
59	42.05	0.22%	Isobicyclogermaacrenal	
60	42.62	0.50%	39.22 Valencene<13-hydroxy->	0.00
61	43.04	0.32%	38.78 Amorpha-4,9-diene<7,14-anhydro->	0.00
62	43.30	2.76%	(E)-Isovalencenal	Sesquiterpene Aldehyde
63	43.83	0.72%	Nootkatone	Sesquiterpene Ketone
64	44.08	1.16%	UK Compounds	
65	44.19	4.70%	beta-Vetivone	Sesquiterpene Ketone
66	44.32	1.97%	Zizanoicacid	Sesquiterpene Acid
67	44.60	0.89%	UK Compounds	
68	45.04	4.65%	alpha-Vetivone	Sesquiterpene Ketone

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