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Balancing Body, Mind and Spirit with Pure Essential Oils

Since 1995

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Vetiveria zizanioides

Madagascar

Batch MG-59291

Sesquiterpenes 24.84%

β Vetivenene	3.53
β cadinene	3.14
vetivenene	2.38
vetivenene isomer	1.86
α Amorphene	1.81
α Vetispirine	1.68
β Gurjunene	1.22
prezizaene	1.16
α himachalene	1.12
cadinene isomer	0.96
valencene	0.76
khusimene	0.75
α Calacorene	0.51
α guaiane	0.49
γ muurrolene	0.49
nootkatene	0.44
aromadendrene	0.32
γ Vetivenene	0.30
γ cadinene	0.29
α copaene	0.28
sesquithujene	0.24
α cedrene	0.20
pseudowiddrene	0.20
2-epi- α -funebrene	0.19
Acora-3,7(14)-diene	0.15
zonarene	0.15
cyperene	0.10
α gurjunene	0.06
α Ylangene	0.04
isolekene	0.02

Other 25.28%

Unknown	25.05
12-norisoziza-5-one	0.16
furfural	0.07

Sesquiterpenols 12.35%

khusimol	5.55
junicedranol	1.99
vetiselinenol	1.53
junenol	1.45
τ cadinol	0.54
cedr-8-en-13-ol	0.47
γ costol	0.37
β costol	0.24
Elemol	0.21

Aldehydes 2.11%

(<i>E</i>)-isovalencenal	0.22
zizanal	0.31
isobicyclogermacrenal	0.13
isovalencenal	0.92
1,7-diepi- α -cedrenal	0.53

Ketones 15.13%

α Vetivone	7.13
β Vetivone	2.92
epi-zizanone	2.37
khusimone	1.06
Nootkatone	0.74
cyperotundone	0.41
(1-nor) bourbonanone	0.27
oplopanone	0.23

Phenols 0.05%

4-vinyguaiaicol	0.05
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Client



Source



Vetiver (*Vetiveria zizanioides*)
MG-59291

Sample

Vetiver (*Vetiveria zizanioides*)
Batch #:..... MG-59291
Type:..... Essential Oil
CAS Number:... 84238-29-9
Nature's Gift

Client



Website

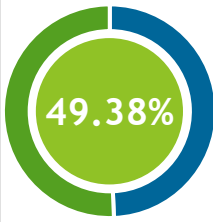
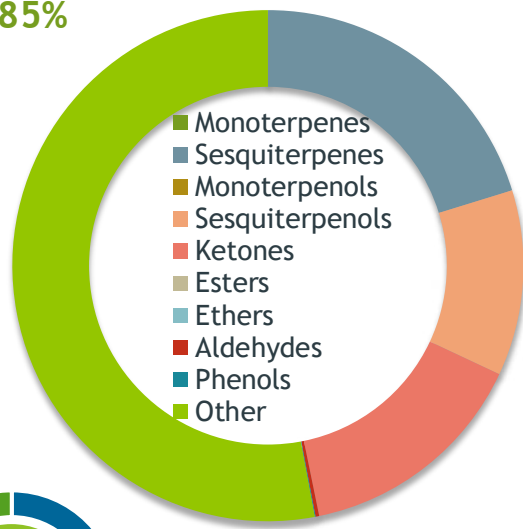


Primary

7.13% | alpha-Vetivone
5.55% | Khusimol
3.66% | UK Vetiver

Other

50.85%



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 Vetiver (*Vetiveria zizanioides*)

Internal Number: | EVS-5399



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%
Sesquiterpenes	19.44%
Monoterpenols	0.00%
Sesquiterpenols	11.28%
Ketones	14.22%
Esters	0.00%
Ethers	0.00%
Aldehydes	0.22%
Phenols	0.05%
Other	50.85%

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Client



Source

Vetiver (*Vetiveria zizanioides*)

MG-59291

Total Percentage		49.38%		
Number	RT	Area %	Compound Name	Chemical Family
1	4.82	0.07%	Furfural	Furan
2	24.55	0.05%	4-Vinylguaiacol	Simple Phenolic
3	26.68	0.16%	12-Norisoziza-5-ene	Norsesquiterpene
4	26.88	1.20%	UK Vetiver	
5	27.08	0.04%	alpha-Ylangene	Sesquiterpene
6	27.26	0.28%	alpha-Copaene	Sesquiterpene
7	27.37	0.02%	Isoledene	Sesquiterpene
8	27.58	0.19%	2-epi-alpha-Funebrene	Sesquiterpene
9	27.79	1.74%	UK Vetiver	
10	28.12	3.66%	UK Vetiver	
11	28.25	0.24%	Sesquithujene	Sesquiterpene
12	28.43	0.10%	Cyperene	Sesquiterpene
13	28.81	0.15%	Acora-3,7(14)-diene	Sesquiterpene
14	28.94	0.20%	alpha-Cedrene	Sesquiterpene
15	29.12	0.06%	alpha-Gurjunene	Sesquiterpene
16	29.48	0.27%	UK Vetiver	
17	29.65	0.29%	UK Vetiver	
18	29.84	0.32%	Aromadendrene	Sesquiterpene
19	30.15	1.22%	beta-Gurjunene	Sesquiterpene
20	30.41	1.16%	Prezizaene	Sesquiterpene
21	30.60	0.75%	Khusimene	Sesquiterpene
22	30.75	0.49%	alpha-Guaiene	Sesquiterpene
23	31.05	1.12%	alpha-Himachalene	Sesquiterpene
24	31.69	1.81%	alpha-Amorphene	Sesquiterpene
25	31.86	1.68%	alpha-Vetispirene	Sesquiterpene
26	32.03	3.14%	beta-Cadinene	Sesquiterpene
27	32.21	0.49%	gamma-Murolene	Sesquiterpene
28	32.64	0.96%	Cadinene Isomer	
29	33.00	0.44%	Nootkatene	Sesquiterpene
30	33.08	0.20%	28.75 Pseudowiddrene	0.00
31	33.22	0.76%	Valencene	Sesquiterpene
32	33.41	0.15%	Zonarene	Sesquiterpene
33	33.63	2.38%	Vetivenene Isomer	
34	33.80	0.29%	gamma-Cadinene	Sesquiterpene
35	34.11	0.51%	alpha-Calacorene	Sesquiterpene

Client



Source



Vetiver (*Vetiveria zizanioides*)
MG-59291

Number	RT	Area %	Compound Name	Chemical Family
36	34.364	0.30%	gamma-Vetivenene	Sesquiterpene
37	34.45	0.21%	Elemol	Sesquiterpenol
38	34.60	3.53%	beta-Vetivenene	Sesquiterpene
39	34.92	1.86%	Vetivenene Isomer	
40	35.33	0.27%	31.32 Bourbonanone<1-nor->	0.00
41	35.81	1.47%	UK Vetiver	
42	36.45	1.06%	Khusimone	Termonoterpene Ketone
43	36.93	1.66%	UK Vetiver	
44	37.16	1.45%	Junenol	Sesquiterpenol
45	37.54	2.09%	UK Vetiver	
46	37.91	0.53%	34.42 Cedrenal<1,7-diepi-alpha->	0.00
47	38.28	0.54%	T-Cadinol	Sesquiterpenol
48	38.42	3.51%	UK Vetiver	
49	38.68	1.23%	UK Vetiver	
50	38.90	2.37%	epi-Zizanone	Sesquiterpene Ketone
51	39.52	0.79%	UK Vetiver	
52	39.60	1.99%	36.44 Junicedranol	0.00
53	39.74	0.47%	Cedr-8-en-13-ol	Sesquiterpenol
54	39.84	0.41%	36.56 Cyperotundone	0.00
55	40.03	1.36%	UK Vetiver	
56	40.43	1.13%	UK Vetiver	
57	40.57	2.16%	UK Vetiver	
58	40.68	0.31%	36.63 Zizanal	0.00
59	40.93	1.53%	Vetiselinenol	Sesquiterpenol
60	41.36	0.23%	38.17 Oplopanone	0.00
61	41.77	5.55%	Khusimol	Sesquiterpenol
62	41.85	0.13%	Isobicyclogermacrenal	
63	42.17	0.32%	UK Vetiver	
64	42.42	0.37%	gamma-Costol	Sesquiterpenol
65	42.83	0.24%	beta-Costol	Sesquiterpenol
66	43.09	0.92%	Isovalencenal	Sesquiterpenol
67	43.33	0.22%	(E)-Isovalencenal	Sesquiterpene Aldehyde
68	43.62	0.74%	Nootkatone	Sesquiterpene Ketone
69	43.84	1.00%	UK Vetiver	
70	44.03	2.92%	beta-Vetivone	Sesquiterpene Ketone
71	44.38	1.17%	UK Vetiver	

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