

Client



Source



Vetiver (*Vetiveria zizanioides*)
VZH1807

Sample

Vetiver (*Vetiveria zizanioides*)

Batch #:..... VZH1807
Type:..... Essential Oil
CAS Number:... 84238-29-9
Be Kind Botanicals

Client



Website

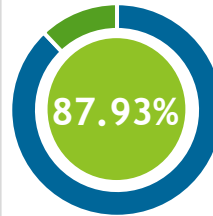
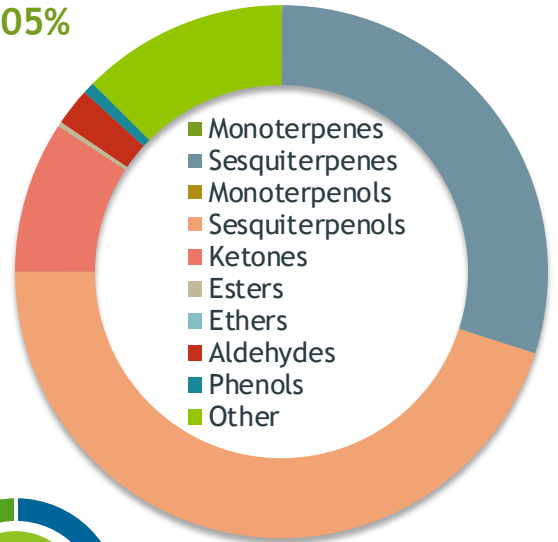


Primary

8.99% | Isovalencenol
7.47% | Khusimol
7.01% | beta-Vetivenene

Sesquiterpenols

45.05%



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-2805



Essential Validation Services

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Gainesville, FL 32601

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Adam Christen

Monoterpenes	0.05%
Sesquiterpenes	29.91%
Monoterpenols	0.00%
Sesquiterpenols	45.05%
Ketones	9.19%
Esters	0.29%
Ethers	0.00%
Aldehydes	2.27%
Phenols	0.71%
Other	12.53%

- This report is the digitally signed and will only be considered valid if the signature is intact.
- This report may not be published without the consent of Essential Validation Services.
- Chromatograph image may not show full run time

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Total Percentage		87.93%			
Number	RT	Area %	Compound Name	RI	Chemical Family
1	12.91	0.05%	alpha-Pinene	936.10	Monoterpene
2	29.29	0.01%	12-Norisoziza-5-ene	1365.50	Norsesquiterpene
3	29.66	0.23%	Cyclosativene	1370.50	Sesquiterpene
4	29.80	0.24%	alpha-Ylangene	1371.33	Sesquiterpene
5	29.95	0.02%	alpha-Copaene	1379.00	Sesquiterpene
6	30.15	0.22%	Daucene	1381.00	Sesquiterpene
7	30.44	0.16%	beta-Elemene	1389.20	Sesquiterpene
8	30.81	0.04%	Cyperene	1397.67	Sesquiterpene
9	31.08	0.17%	Acora-3,7(14)-diene	1410.25	Sesquiterpene
10	31.24	0.23%	alpha-Gurjunene	1412.00	Sesquiterpene
11	31.35	0.21%	beta-Funebrene	1413.00	Sesquiterpene
12	31.52	0.29%	beta-Caryophyllene	1427.14	Sesquiterpene
13	31.77	0.28%	beta-Gurjunene	1433.00	Sesquiterpene
14	31.94	0.04%	alpha-Guaiene	1438.67	Sesquiterpene
15	32.11	0.26%	6,9-Guaiadiene	1446.00	Sesquiterpene
16	32.35	0.71%	(E)-Isoeugenol	1460.00	Phenylpropanoid
17	32.51	0.92%	Khusimene	1460.50	Sesquiterpene
18	32.57	0.44%	alpha-Acoradiene	1463.00	Sesquiterpene
19	32.89	0.61%	gamma-Selinene	1465.50	Sesquiterpene
20	33.06	0.57%	beta-Acoradiene	1475.00	Sesquiterpene
21	33.30	3.17%	alpha-Amorphene	1481.75	Sesquiterpene
22	33.49	1.12%	alpha-Vetispirene	1490.10	Sesquiterpene
23	33.67	4.13%	delta-Selinene	1494.00	Sesquiterpene
24	33.90	0.14%	alpha-Muurolene	1500.25	Sesquiterpene
25	34.13	2.25%	delta-Amorphene	1510.10	Sesquiterpene
26	34.38	0.39%	Nootkatene	1504.50	Sesquiterpene
27	34.48	0.29%	delta-Amorphene	1510.10	Sesquiterpene
28	34.61	1.56%	gamma-Cadinene	1515.29	Sesquiterpene
29	34.78	0.45%	gamma-Vetivenene	1532.00	Sesquiterpene
30	35.03	0.28%	alpha-Calacorene	1537.14	Sesquiterpene
31	35.37	0.94%	Elemol	1538.00	Sesquiterpenol
32	35.63	7.01%	beta-Vetivenene	1542.75	Sesquiterpene
33	35.83	2.74%	beta-Calacorene	1555.50	Sesquiterpene
34	36.54	1.45%	beta-Vetivenene isomer I	1573.30	Sesquiterpene
35	36.72	0.56%	Spathulenol	1587.00	Sesquiterpenol

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Number	RT	Area %	Compound Name	RI	Chemical Family
36	37.05	1.16%	Khusimone	1604	Sesquiterpenol
37	37.35	0.25%	gamma-Eudesmol	1608.00	Sesquiterpenol
38	37.54	5.34%	Junenol	1625.00	Sesquiterpenol
39	37.73	0.45%	1-epi-Cubenol	1628.00	Sesquiterpenol
40	37.85	1.11%	T-Cadinol	1640.43	Sesquiterpenol
41	38.00	0.29%	7-epi-trans-sesquisabinene hydrate	1642.50	Monoterpene Ester
42	38.24	0.32%	beta-Eudesmol	1650.75	Sesquiterpenol
43	38.49	6.72%	alpha-Cadinol	1655.00	Sesquiterpenol
44	38.65	1.75%	Cyclopropacampa-12-ol (epimer A)	1664.53	Sesquiterpenol
45	38.84	1.73%	Zizanol	1666.50	Sesquiterpenol
46	38.95	0.94%	Cyclopropacampa-12-ol (epimer B)	1667.54	Sesquiterpenol
47	39.10	1.28%	6-epi-alpha-Bisabolol	1675.00	Sesquiterpenol
48	39.34	1.68%	Khusiol	1688.53	Sesquiterpenol
49	39.54	0.73%	Zizanal	1688.75	Sesquiterpene Aldehyde
50	39.71	2.50%	Junipercamphor	1693.10	Sesquiterpene Ketone
51	40.15	1.04%	Nootkatol	1714.00	Sesquiterpenol
52	40.44	4.48%	Vetiselinenol	1716.00	Sesquiterpenol
53	41.03	7.47%	Khusimol	1735.00	Sesquiterpenol
54	42.27	8.99%	Isovalencenol	1788.00	Sesquiterpenol
55	42.36	1.54%	(E)-Isovalencenal	1806.00	Sesquiterpene Aldehyde
56	42.85	0.45%	Zizanoicacid	1811.00	Sesquiterpene Acid
57	42.97	2.61%	beta-Vetivone	1814.00	Sesquiterpene Ketone
58	43.63	2.92%	alpha-Vetivone	1822.00	Sesquiterpene Ketone

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