

GCMS ANALYSIS

PRODUCT NAME: Vetiver Essential Oil

PRODUCT ID: VETIVER-MG-HB

Date: September 23,

2024

Peak	Compound	RT	Area Sum %
1	Limonene	15.777	0.02
2	unknown	40.539	0.16
3	Cyclosativene 1	42.245	0.5
4	alpha-Ylangene	43.051	0.15
5	2-Norzizaene	43.357	0.43
6	unknown	44.054	0.33
7	beta-Elemene	44.914	0.08
8	beta-Funebrene	45.987	0.34
9	unknown	46.202	0.25
10	unknown	46.531	0.16
11	unknown	46.744	0.11
12	unknown	47.069	0.2
13	unknown	47.25	0.2
14	unknown	47.852	0.57
15	Prezizaene	48.574	1
16	Khusimone	48.931	1.48
17	unknown	49.552	0.5
18	unknown	50.041	0.48
19	unknown	50.589	0.46
20	unknown	51.065	0.4
21	alpha-Amorphene	51.751	1.77
22	unknown	52.206	1.2
23	beta-Vetispirene	52.372	2.6

24	gamma-Amorphene	52.577	0.91
25	delta-Amorphene	52.815	0.75
26	Nootkatene	53.368	0.93
27	Spirovetiva-1(10),7(11)-diene	53.849	1.4
28	unknown	54.229	0.17
29	unknown	54.49	0.95
30	unknown	55.106	0.54
31	gamma-Vetivenene	55.537	1.95
32	alpha-Calacorene	56.402	1.15
33	beta-Vetivenene	57.004	6.34
34	cis-Eudesn-6-en-11-ol	57.662	0.59
35	unknown	57.899	1.82
36	unknown	58.183	0.17
37	unknown	58.392	0.44
38	unknown	59.277	0.59
39	unknown	59.757	0.7
40	Khusimone	60.267	4.04
41	unknown	60.474	0.24
42	unknown	61.536	1.01
43	unknown	61.777	2.16
44	unknown	62.052	0.18
45	unknown	62.309	0.41
46	unknown	62.595	0.07
47	unknown	62.935	0.71
48	unknown	63.319	1.5
49	unknown	63.51	0.57
50	unknown	63.815	0.21

51	unknown	64.356	1.47
52	unknown	64.797	2.96
53	Cyclocopacamphan-12-ol, epimer A	65.102	2.04
54	Cyclocopacamphan-12-ol, epimer B	65.373	3.94
55	Zizanol	66.139	3
56	Khusiol	66.367	1.3
57	unknown	66.668	0.65
58	unknown	66.901	0.23
59	unknown	67.287	2.7
60	unknown	68.006	1.77
61	unknown	68.329	1.09
62	unknown	69.013	0.63
63	unknown	70.284	1.05
64	Vetiselinenol	71.334	2.86
65	unknown	71.914	0.31
66	Khusimol	73.652	12.15
67	unknown	74.106	0.38
68	unknown	74.751	1.56
69	unknown	77.139	0.26
70	Isovalencenol	79.944	3.98
71	unknown	82.016	0.87
72	(Z)-Isovalencenal	82.649	0.82
73	beta-Vetivone	83.257	2.68
74	(E)-Isovalencenal	83.735	1.2
75	alpha-Vetivone	84.436	3.96
76	unknown	86.124	0.19
77	unknown	86.437	0.18

78	unknown	86.632	0.04
79	unknown	86.722	0.13
80	unknown	87.141	0.1
81	unknown	87.222	0.05
82	unknown	87.515	0.05
83	unknown	8891	0.04
84	unknown	89.032	0.04
85	unknown	89.767	0.06
86	unknown	102.128	0.07
87	unknown	102491	0.11
88	unknown	103.194	0.13
89	unknown	103.501	0.06
90	unknown	104.01	0.72
91	unknown	104424	0.26
92			
93			
94			
95			
96			
97			
98			
99			
100			
	Total Identified		64.36%
	Total Reported		99.98%

Due to volume turnover, this report is not lot specific. It is representative of the quality of this oil produced by the manufacturer of this product. Specific lots may vary slightly as is the case in natural products.