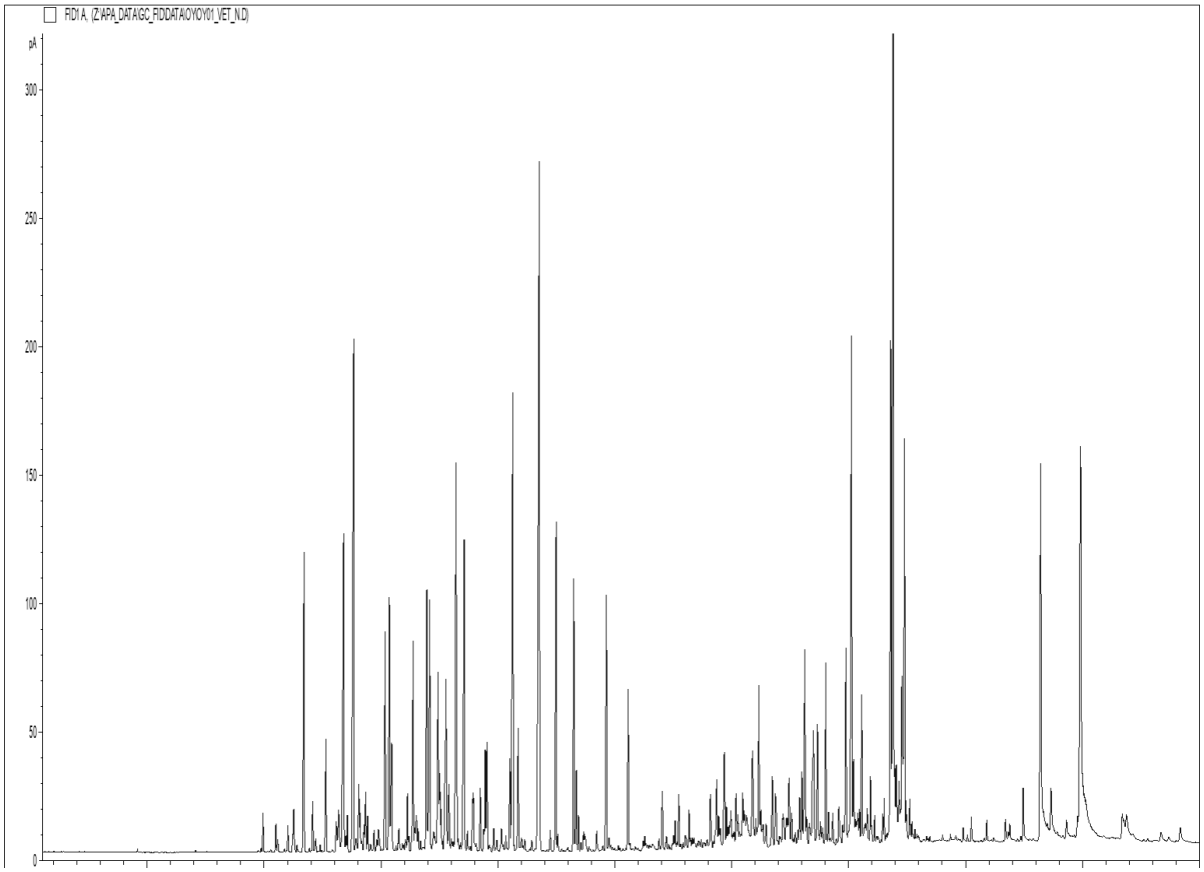
MALIKA ESSENTIALS

GC/MS ANALYSIS REPORT

Product Name	Vetiver Essential Oil
Botanical Name	Chrysopogon zizanioides
Analysis Date	February 10, 2026

Note: This GC/MS report is a representative analysis of this product. Due to volume turnover, it is not specific to an individual lot; specific lots may vary slightly, as is the case with natural products. The lot-specific quality document for each batch is its Certificate of Analysis.

Chromatogram



Identified Compounds

Peak	RT (min)	Compound name	%

1	29.91	FURFURAL	0.16
2	31.00	CYCLOSATIVENE	0.13
3	32.04	ALKYL BENZENE Mw=190	0.12
4	32.53	CEDRENE ISOMER	0.24
5	33.42	ALKYL BENZENE Mw=190	1.57
6	34.15	ALKYL BENZENE Mw=190	0.22
7	34.42	ALKYL BENZENE Mw=190	0.07
8	35.28	ALKYL BENZENE Mw=190	0.56
9	36.17	SESQUITERPENE	0.16
10	36.37	SESQUITERPENE	0.32
11	36.80	ALKYL BENZENE Mw=190	2.23
12	37.00	SESQUITERPENE	0.07
13	37.12	DAUCENE ISOMER	0.16
14	37.66	ALKYL BENZENE Mw=190	3.43
15	37.85	alpha-GUAIENE	0.11
16	38.10	ALKYL BENZENE Mw=190	0.32
17	38.20	beta-CEDRENE	0.19
18	38.55	ALKYL BENZENE Mw=188	0.12
19	38.68	SESQUITERPENE	0.28
20	38.86	6,9-GUAIADIENE	0.18
21	39.40	SESQUITERPENE	0.10
22	39.64	COMPOUND Mw=202	0.07
23	39.78	SESQUITERPENE	0.16
24	40.35	PREZIZA-7-ENE	1.14
25	40.72	KHUSIMENE	1.32
26	40.91	SESQUITERPENE	0.73
27	41.53	ALKYL BENZENE Mw=190	0.14
28	42.09	SESQUITERPENE	0.07
29	42.26	COMPOUND Mw=192	0.27
30	42.38	ALKYL BENZENE Mw=190	0.07
31	42.75	ALKYL BENZENE Mw=190	1.04
32	42.87	SESQUITERPENE Mw=202	0.12
33	43.02	SESQUITERPENE Mw=202	0.27
34	43.17	gamma-SELINENE	0.11
35	43.91	gamma-MUUROLENE	1.42
36	44.16	CALARENE ISOMER	1.38
37	44.51	SESQUITERPENE	0.17
38	44.61	SESQUITERPENE Mw=202	0.07
39	44.88	SESQUITERPENE	1.15
40	45.02	VETIVENENE ISOMER	0.35
41	45.13	ALKYL BENZENE Mw=190	0.19
42	45.48	SESQUITERPENE	0.31
43	45.56	CADINENE ISOMER	1.00
44	45.80	ALKYL BENZENE Mw=190	0.41
45	46.02	SESQUITERPENE	0.08
46	46.41	alpha-VETISPIRENE	2.65
47		SESQUITERPENE	
48	47.11	beta-VETISPIRENE	1.98
49		EUDESMATRIENE ISOMER	
50	47.39	SESQUITERPENE	0.11
51	47.83	SESQUITERPENE	0.22
52	47.90	delta-CADINENE	0.27
53	48.49	delta-SELINENE	0.30
54	48.78	alpha-CURCUMENE	0.10
55	48.92	VETIVENENE ISOMER	0.49
56	49.06	SESQUITERPENE	0.59
57		VETIVENENE ISOMER	

58	49.64	EUDESMATRIENE ISOMER	0.13
59	49.91	COMPOUND Mw=200	0.08
60	50.31	SESQUITERPENE	0.15
61	50.67	AROMATIC COMPOUND Mw=188	0.10
62	51.02	COMPOUND Mw=202	0.45
63	51.27	gamma-VETIVENENE	2.79
64	51.73	SELINENE ISOMER	0.67
65	52.02	CALAMENENE ISOMER	0.10
66	52.28	VETIVENENE ISOMER	0.07
67	53.54	beta-VETIVENENE	5.09
68	54.47	AROMATIC COMPOUND Mw=188	0.11
69	54.98	VETIVENENE ISOMER	1.77
70	55.12	COMPOUND Mw=220	0.08
71	56.49	VETIVENENE ISOMER	1.35
72	56.71	alpha-CALACORENE	0.42
73	56.89	COMPOUND Mw=200	0.16
74	57.32	COMPOUND Mw=202	0.10
75	57.42	COMPOUND Mw=220	0.08
76	58.44	COMPOUND Mw=200	0.12
77	59.28	VETIVENENE ISOMER	1.34
78	59.49	COMPOUND Mw=200	0.09
79	61.14	COMPOUND Mw=178	0.82
80	62.43	COMPOUND Mw=220	0.07
81	62.57	COMPOUND Mw=200	0.07
82	63.23	COMPOUND Mw=220	0.10
83	63.77	EUDESMOL ISOMER	0.07
84	64.06	JUNENOL	0.33
85	64.42	COMPOUND Mw=220	0.07
86	65.02	COMPOUND Mw=220	0.08
87	65.16	ELEMOL	0.14
88	65.47	COMPOUND Mw=220	0.26
89	66.01	COMPOUND Mw=200	0.08
90	66.34	10-epi-gamma-EUDESMOL	0.20
91	66.62	COMPOUND Mw=220	0.07
92	66.76	COMPOUND Mw=220	0.10
93	67.89	COMPOUND Mw=220	0.08
94	68.17	T-CADINOL	0.37
95		COMPOUND Mw=220	
96	68.63	COMPOUND Mw=220	0.11
97	68.72	COMPOUND Mw=220	0.41
98	68.88	COMPOUND Mw=218	0.19
99	69.02	COMPOUND Mw=220	0.14
100	69.36	EUDESMOL ISOMER	0.74
101		COMPOUND Mw=222	
102	69.55	gamma-EUDESMOL	0.20
103	69.68	COMPOUND Mw=220	0.12
104	69.83	COMPOUND Mw=220	0.12
105	69.92	COMPOUND Mw=222	0.25
106	70.10	SESQUITERPENIC OXIDE	0.09
107	70.20	COMPOUND Mw=220	0.08
108	70.37	COMPOUND Mw=218	0.31
109	70.52	COMPOUND Mw=218	0.19
110	70.65	COMPOUND Mw=218	0.09
111	70.79	SESQUITERPENIC COMPOUND	0.09

112	70.93	alpha-MUUROLOL	0.33
113	71.06	SESQUITERPENIC COMPOUND	0.31
114	71.26	COMPOUND Mw=218	0.45
115	71.77	VALERIANOL	0.83
116		COMPOUND Mw=218	
117	72.05	alpha-EUDESMOL	0.19
118	72.31	SESQUITERPENIC OXIDE	0.87
119	72.49	beta-EUDESMOL	0.22
120		alpha-CADINOL	
121	72.67	COMPOUND Mw=218	0.20
122	72.94	COMPOUND Mw=218	0.16
123	73.47	COMPOUND Mw=218	0.44
124	73.73	AROMATIC COMPOUND	0.44
125		COMPOUND Mw=220	
126	74.37	COMPOUND Mw=218	0.18
127	74.44	COMPOUND Mw=218	0.16
128	74.64	COMPOUND Mw=220	0.14
129	74.74	COMPOUND Mw=218	0.15
130	74.90	COMPOUND Mw=220	0.47
131	75.12	SESQUITERPENOL	0.22
132	75.44	SESQUITERPENOL	0.09
133	75.65	JUNIPER CAMPHOR	0.08
134	75.80	COMPOUND Mw=220	0.31
135	76.00	COMPOUND Mw=220	0.38
136	76.24	BICYCLOVETIVENOL	1.16
137	76.39	COMPOUND Mw=220	0.18
138	76.63	COMPOUND Mw=220	0.20
139	76.92	COMPOUND Mw=218	0.39
140	76.99	COMPOUND Mw=220	0.64
141	77.33	COMPOUND Mw=220	0.74
142	77.58	COMPOUND Mw=220	0.16
143	77.77	COMPOUND Mw=218	0.11
144	78.04	ISOEUGENOL	0.83
145	78.27	COMPOUND Mw=220	0.18
146	78.63	SESQUITERPENOL	0.20
147	79.16	COMPOUND Mw=220	0.30
148	79.48	COMPOUND Mw=220	0.11
149	79.76	ZIZANOL	1.22
150	79.99	COMPOUND Mw=218	0.08
151	80.24	VETIVENOL	3.01
152	80.42	COMPOUND Mw=218	0.50
153	80.56	COMPOUND Mw=220	0.12
154	80.65	COMPOUND Mw=220	0.11
155	80.78	COMPOUND Mw=220	0.22
156	80.92	COMPOUND Mw=220	0.17
157	81.12	VETISELINENOL	0.79
158	81.43	COMPOUND Mw=220	0.24
159	81.59	COMPOUND Mw=220	0.24
160	81.86	AROMATIC COMPOUND	0.30
161	81.95	COMPOUND Mw=220	0.10
162	82.21	COMPOUND Mw=218	0.13
163	82.90	COMPOUND Mw=220	0.12
164	83.03	COMPOUND Mw=216	0.20
165	83.59	beta-VETIVONE	2.37
166	83.81	KHUSIMOL	6.06
167	83.94	COMPOUND Mw=220	0.35

168	84.07	COMPOUND Mw=218	0.51
169	84.30	COMPOUND Mw=218	0.39
170	84.42	COMPOUND Mw=220	0.15
171	84.55	ISOVALENCENOL	1.09
172	84.78	alpha-VETIVONE	2.30
173	84.90	COMPOUND Mw=216	0.27
174	85.21	COMPOUND Mw=218	0.27
175	85.41	COMPOUND Mw=220	0.15
176	85.95	COMPOUND Mw=218	0.07
177	89.17	COMPOUND Mw=216	0.08
178	89.79	AROMATIC COMPOUND Mw=194	0.09
179	90.50	COMPOUND Mw=216	0.12
180	91.80	CALAMENENE, 5-HYDROXY-	0.10
181	93.41	COMPOUND Mw=234	0.14
182	93.78	COMPOUND Mw=234	0.10
183	94.92	PALMITIC ACID	0.33
184	96.41	ISOKHUSENIC ACID	3.72
185	97.30	COMPOUND Mw=234	0.35
186	98.64	COMPOUND Mw=234	0.38
187	99.57	COMPOUND Mw=234	0.18
188	99.83	KHUSENIC ACID	5.70
189	103.41	COMPOUND Mw=234	0.40
190	103.75	COMPOUND Mw=234	0.62
191	106.72	COMPOUND Mw=234	0.13
192	108.37	LINOLEIC ACID	0.16
		TOTAL	**96.62**

Note: Peaks 47 (SESQUITERPENE), 49 (EUDESMATRIENE ISOMER), 57 (VETIVENENE ISOMER), 95 (COMPOUND Mw=220), 101 (COMPOUND Mw=222), 116 (COMPOUND Mw=218), 120 (alpha-CADINOL) and 125 (COMPOUND Mw=220) are listed in the source report without retention time or percentage. The source report states TOTAL 96.62.

Faithful copy of the GC/MS analysis report. The original document is kept in the MALIKA Essentials archives.