Jade Bloom
Health, Healing, & Happiness®

Date: May 27, 2022

CERTIFICATE OF ANALYSIS - GC PROFILING

Sample identification: Copaiba Balsam - JB2166-917473

Type: Essential oil

Source: Copaifera reticulata

Country of Origin: Brazil

ANALYSIS
Method: 10152018_10:1split.m - Analysis of the composition of an essential oil, or other volatile liquid, by GC-FID, identifications validated by GC-MS.

Analysis date: May 26, 2022

Physical aspect: Amber to Brown Liquid

CONCLUSION

No adulterant or contaminant has been detected in this oil.

Peak	Compound	RT	Area Sum %
1	Limonene	14.372	0.03
2	(Z)-β-Ocimene	15.361	0.1
3	Allo-Ocimene	22.176	0.02
4	δ-Elemene	38.856	0.66
5	α-Cubebene	39.815	0.66
6	Cyclosativene I	40.592	0.02
7	α-Ylangene	41.372	0.08
8	α-Copaene	41.789	5.26
9	β-Cubebene	43.04	0.53
10	β-Elemene	43.256	1.34
11	α-Gurjunene	44.316	0.05
12	β-Caryophyllene	45.381	50.56
13	β-Copaene	45.865	0.22
14	γ-Elemene	46.532	0.92
15	trans-α-Bergamotene	46.842	2.65
16	Sesquisabinene	47.481	0.16
17	α-Humulene	47.727	7.08
18	Alloaromadendrene	48.179	0.34
19	cis-Muurola-4(15),5-diene	48.411	0.08
20	(E)-β-Famesene	48.907	0.17
21	trans-Cadina-1(6),4-diene	49.465	0.19
22	γ-Muurolene	49.902	4.55
23	Germacrene D	49.96	5.11
24	β-Selinene	50.179	0.36
25	unknown	50.443	0.26
26	α-Selinene	50.94	0.31
27	Viridiflorene	51.042	0.87
28	α-Muurolene	51.592	0.51
29	unknown	52.176	0.32
30	β-Bisabolene	52.559	2.99
31	(3E,6E)- α-Farnesene	52.79	0.14
32	unknown	52.843	0.11
33	δ-Cadinene	53.419	2.81
34	β-Sesquiphellandrene	53.564	0.28
35	trans-Cadina-1,4-diene	53.867	0.1
36	(E)-γ-Bisabolene	54.208	0.06
37	Selina-3,7(11)-diene	54.263	0.13
38	α-Calacorene	54.56	0.07
39	(E)-α-Bisabolene	55.137	0.3
40	Germacrene B	55.352	0.58
41	Maaliol	56.067	0.11
42	Caryophyllenyl alcohol	56.253	0.42
43	Caryophyllene oxide	57.205	0.34
44	Viridiflorol	57.889	0.07
45	Globulol	58.16	0.04

46	Ledol	58.714	0.1
47	1-epi-Cubenol	59.687	0.77
48	10-Di-epi-Cubenol	60.741	0.09
49	unknown	60.948	0.04
50	T-Cadinol	61.723	0.47
51	α-Muurolol	61.993	0.54
52	Cubenol	62.192	0.23
53	T-Muurolol	62.324	0.43
54	unknown	62.574	0.14
55	unknown	63.042	0.06
56	α-Bisabolol	63.106	0.06
57	Juniper camphor	63.592	0.18
58	unknown	67.43	0.14
59	cis-3,14-Clerodadien-13-ol	67.689	0.21
60	unknown	68.241	0.07
61	Manool	68.376	0.27
62	Kolavelool	68.484	0.54
63	Copaifera diterpenic acid	69.852	0.02
64	Kolavenol	70.075	0.64
65	Methyl copalate	70.46	2.22
66	Copalic acid	70.677	0.18
67	Copaiferic acid	70.922	0.2
	unknown	71.243	0.44
	Total identified		98.42%