



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-Muurolo-4(15),5-diene	48.411	0.08
20	(E)- β -Farnesene	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%

DISCLAIMER:

The information contained in this Certificate of Analysis and/or GC/MS is obtained from current and reliable sources. Jade Bloom provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. Individuals receiving this information must exercise their independent judgment in determining its appropriateness for a particular purpose. As the ordinary or otherwise use(s) of this product is outside the control of Jade Bloom, no representation or warranty, expressed or implied, is made as to the effect(s) of such use(s), (including damage or injury), or the results obtained. Jade Bloom expressly disclaims responsibility as to the ordinary or otherwise use(s). Furthermore, nothing contained herein should be considered as a recommendation by Jade Bloom as to the fitness for any use. The liability Jade Bloom is limited to the value of the goods and does not include any consequential loss. Jade Bloom shall not be liable for any errors or delays in the content, or for any actions taken in reliance thereon. Jade Bloom shall not be responsible for any damages resulting from use of or reliance upon this information. The user of the product is solely responsible for compliance with all laws and regulations applying to the use of the products, including intellectual property rights of third parties. This document is computer automated and is valid without signature. This report may not be published, including online, without the written consent from Jade Bloom