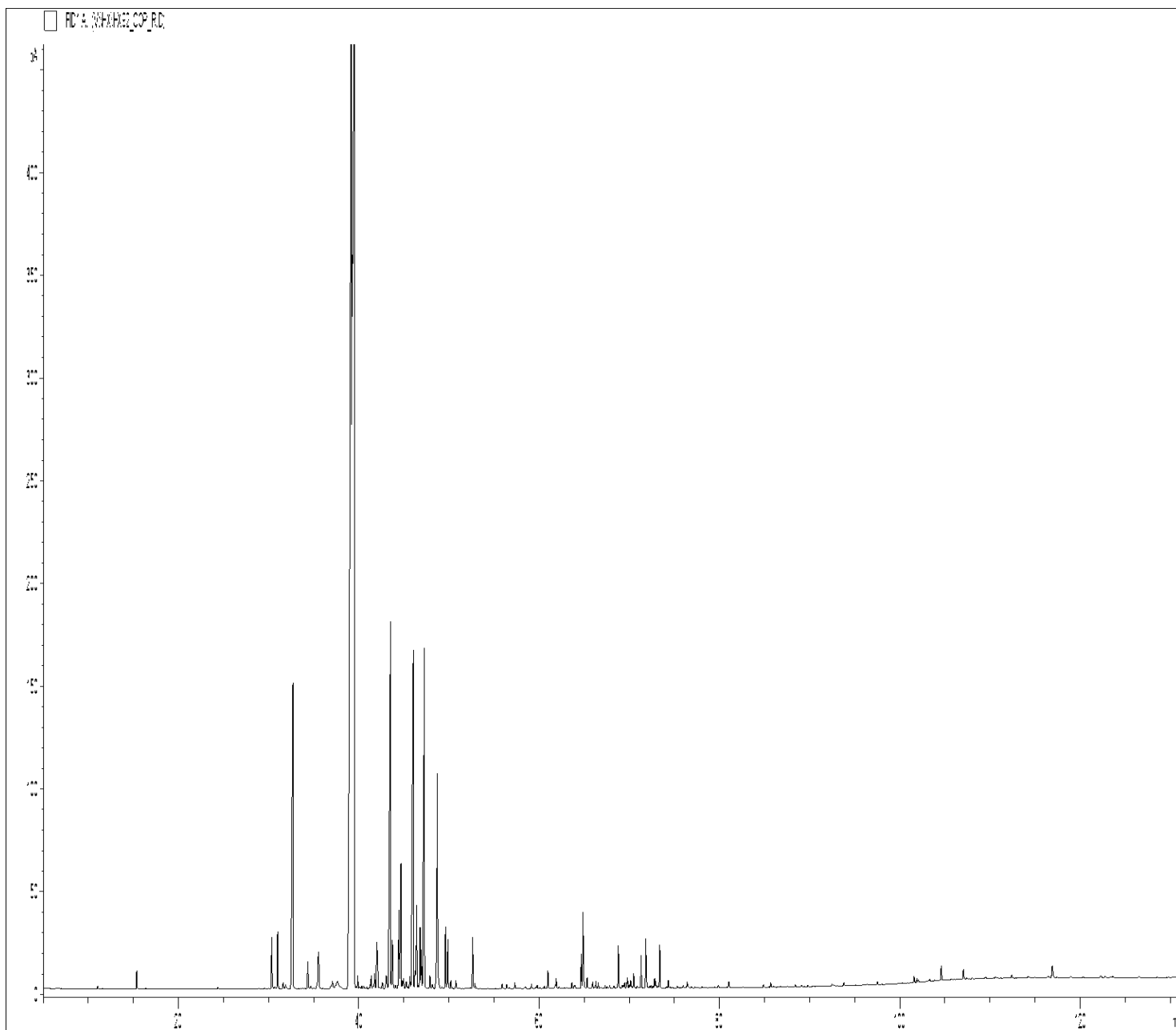


GCMS ANALYSIS

PRODUCT NAME: COPAIBA BALSAM ESSENTIAL OIL – 11041

DATE: July 20, 2022



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,

GCMS ANALYSIS (cont'd,)

PRODUCT NAME: COPAIBA BALSAM ESSENTIAL OIL – 11041

Peak	RT (min)	Compound	%
1	11.04	p-MENTH-8-ENE	0.02
2	15.36	cis- β -OCIMENE	0.15
3	16.36	trans- β -OCIMENE	0.01
4	24.36	ALLO-OCIMENE	0.03
5	30.36	α -CUBEBENE	0.59
6	30.68	ELEMENE ISOMER	0.02
7	31.01	δ -ELEMENE	0.54
8	31.61	ISOLEDENE	0.07
9	31.80	BICYCLOELEMENE	0.02
10	31.88	YLANGENE	0.04
11	32.70	α-COPAENE	4.92
12	34.35	CYPERENE	0.35
13	34.68	α -GURJUNENE	0.04
14	35.39	SESQUITERPENE	0.04
15	35.55	β 1-CUBEBENE	0.62
16	36.94	α -CEDRENE	0.03
17	37.09	COMPOUND Mw=206	0.13
18	37.45	CEDRENE ISOMER	0.06
19	37.59	α -cis-BERGAMOTENE	0.08
20	37.66	epsilon-CADINENE	0.19
21	37.98	SESQUITERPENE	0.03
22	39.17	α-trans-BERGAMOTENE	8.46
23	39.26	β -ELEMENE	0.51
24	39.53	β-CARYOPHYLLENE	47.89
25	39.89	AROMADENDRENE	0.13
26	40.36	GURJUNENE ISOMER	0.03
27	40.55	HIMACHALADIENE ISOMER	0.04
28	41.27	SESQUITERPENE	0.04
29	41.38	CADINA-3,5-DIENE	0.13
30	41.62	SESQUITERPENE	0.04

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GCMS ANALYSIS (cont'd,)

PRODUCT NAME: COPAIBA BALSAM ESSENTIAL OIL – 11041

Peak	RT (min)	Compound	%
31	41.74	GERMACRENE A	0.17
32	41.99	FARNESENE ISOMER	0.50
33	42.07	ALLO-AROMADENDRENE	0.34
34	42.62	FARNESENE ISOMER	0.08
35	43.05	ZONARENE	0.16
36	43.09	SESQUITERPENE	0.05
37	43.51	α-HUMULENE	6.34
38	43.72	E- β -FARNESENE	0.61
39	44.08	cis-4,5-MUROLADIENE	0.05
40	44.46	Z- β -FARNESENE	0.96
41	44.67	γ -MUUROLENE	1.41
42	44.83	LEDENE	0.08
43	44.97	γ -CURCUMENE	0.10
44	45.65	COMPOUND Mw=206	0.13
45	46.04	GERMACRENE D	5.59
46	46.22	CADINENE ISOMER	0.16
47	46.33	MUROLADIENE ISOMER	0.11
48	46.42	β -SELINENE	0.85
49	46.59	SESQUITERPENE	0.03
50	46.79	α -SELINENE	0.58
51	46.94	α -MUUROLENE	0.39
52	47.17	BICYCLOGERMACRENE	1.30
53	47.27	β-BISABOLENE	3.69
54	47.88	β -CURCUMENE	0.13
55	48.14	SESQUICINEOLE	0.05
56	48.57	E,E- α -FARNESENE	0.14
57	48.72	δ -CADINENE	2.48
58	48.76	γ -CADINENE	0.28
59	48.86	δ -SELINENE	0.05
60	49.62	β -SESQUIPHELLANDRENE	0.58

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GCMS ANALYSIS (cont'd,)

PRODUCT NAME: COPAIBA BALSAM ESSENTIAL OIL – 11041

Peak	RT (min)	Compound	%
61	49.79	α -CURCUMENE	0.04
62	49.87	trans- α -BISABOLENE	0.48
63	50.22	CADINA-1,4-DIENE	0.09
64	50.76	α -AMORPHENE	0.09
65	52.63	GERMACRENE B	0.53
66	52.88	CALAMENENE	0.06
67	55.89	OXYGENED COMPOUND Mw=208	0.04
68	56.39	epi-CUBEBOL	0.04
69	57.30	α -CALACORENE	0.05
70	59.15	CUBEBOL	0.05
71	59.79	β -CALACORENE	0.04
72	60.56	ISOCARYOPHYLLENE OXIDE	0.03
73	60.97	CARYOPHYLLENE OXIDE	0.17
74	61.80	EUDESMOL ISOMER	0.03
75	61.90	SESQUITERPENOL Mw=222	0.10
76	63.63	LEDOL	0.06
77	63.90	EPOXY-6,7-HUMULENE	0.03
78	63.99	SESQUITERPENIC OXIDE	0.03
79	64.67	CARYOPHYLLENOL	0.33
80	64.87	JUNEOL	0.82
81	64.92	epi-CUBENOL	0.13
82	65.33	CUBENOL	0.10
83	65.94	GLOBULOL	0.07
84	66.29	VIRIDIFLOROL	0.07
85	66.56	GUAJOL	0.06
86	67.32	10-epi- γ -EUDESMOL	0.02
87	67.82	ROSIFOLIOL	0.03
88	68.30	SPATHULENOL	0.03
89	68.78	DIHYDROISOCARYOPHYLLENE Mw=206	0.27
90	68.82	COPAENOL ISOMER	0.14

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GCMS ANALYSIS (cont'd,)

PRODUCT NAME: COPAIBA BALSAM ESSENTIAL OIL – 11041

Peak	RT (min)	Compound	%
91	69.25	SESQUITERPENOL	0.03
92	69.37	SESQUITERPENOL	0.02
93	69.48	SESQUITERPENOL	0.05
94	69.71	SESQUITERPENIC OXIDE	0.04
95	69.80	β -BISABOLOL	0.10
96	70.00	SESQUITERPENIC OXIDE	0.03
97	70.15	SESQUITERPENOL	0.10
98	70.49	T-CADINOL	0.15
99	71.31	α -MUUROL	0.31
100	71.83	δ -CADINOL	0.48
101	71.90	SESQUITERPENOL	0.07
102	72.40	SESQUITERPENOL	0.03
103	72.80	epi- α -BISABOLOL	0.09
104	72.93	α -BISABOLOL	0.07
105	73.38	α -CADINOL	0.44
106	74.34	EUDESMA-7(11)-EN-4-OL	0.08
107	75.97	SESQUITERPENOL Mw=222	0.04
108	76.42	JUNIPER CAMPHOR	0.09
109	79.88	SESQUITERPENIC OXIDE	0.04
110	81.03	KAUR-16-ENE Mw=272	0.08
111	84.89	AROMATIC COMPOUND	0.03
112	85.69	AROMATIC COMPOUND	0.05
113	88.41	AROMATIC COMPOUND	0.02
114	92.47	epi-MANOOL	0.02
115	93.80	AROMATIC COMPOUND	0.04
116	97.52	AROMATIC COMPOUND	0.03
117	101.58	METHYL COPALATE	0.07
118	101.90	epi-MANOOL ISOMER	0.04
119	102.05	AROMATIC COMPOUND	0.03
120	103.32	AROMATIC COMPOUND	0.03

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GCMS ANALYSIS (cont'd,)

PRODUCT NAME: COPAIBA BALSAM ESSENTIAL OIL – 11041

Peak	RT (min)	Compound	%
121	104.60	AROMATIC COMPOUND	0.18
122	107.06	COMPOUND Mw=290	0.12
123	112.42	COMPOUND Mw=302	0.05
124	116.92	COMPOUND Mw=260	0.22
125	122.29	AROMATIC COMPOUND	0.04
		TOTAL	99.91

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