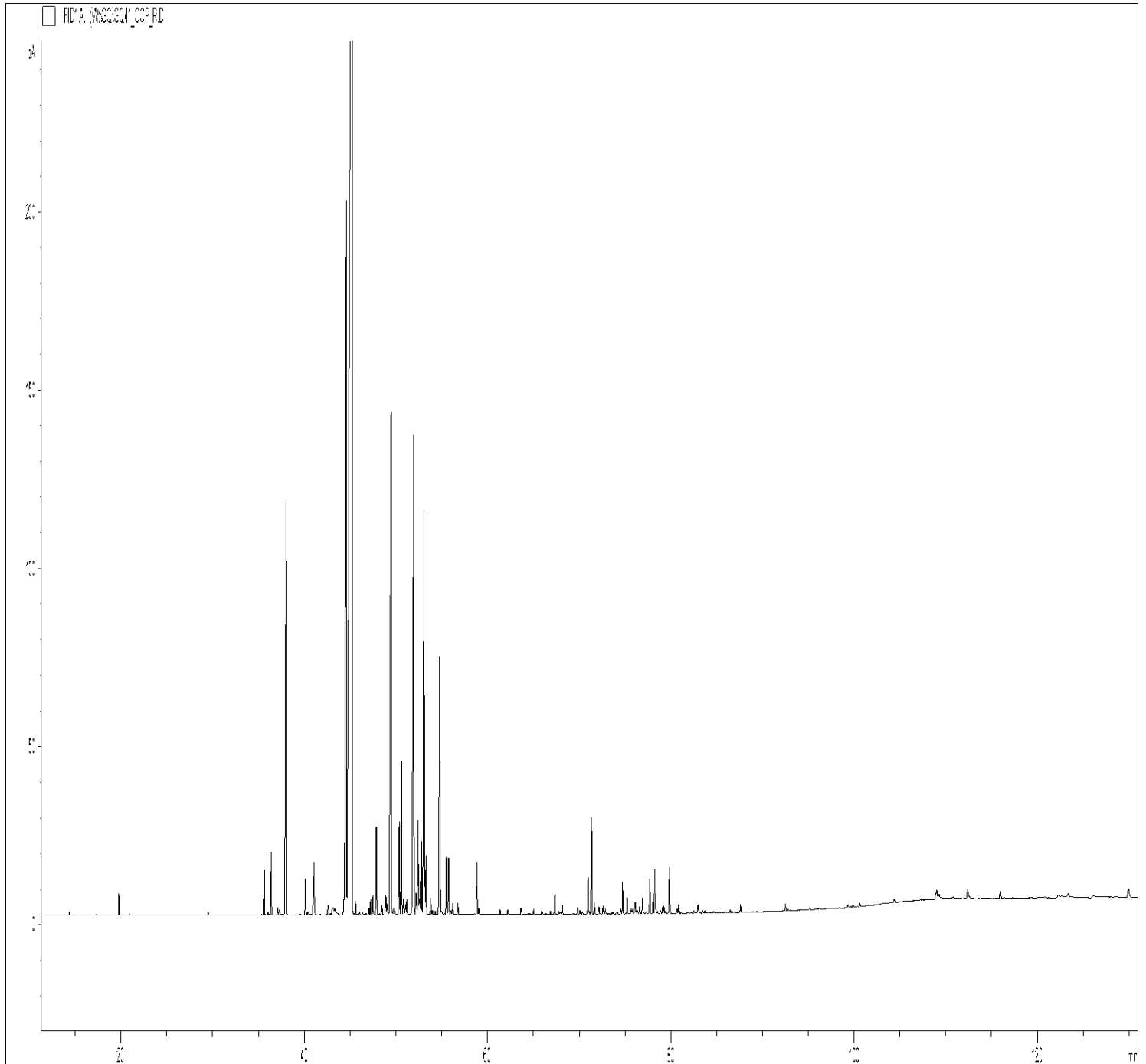


GCMS ANALYSIS

PRODUCT NAME: COPAIBA BALSAM ESSENTIAL OIL – 11041

DATE: March 7, 2022



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,

GCMS ANALYSIS (cont'd.)

PRODUCT NAME: COPAIBA BALSAM ESSENTIAL OIL – 11041

Peak	RT (min)	Compound	%
1	14,41	p-MENTH-2-ENE	0,02
2	19,80	cis-beta-OCIMENE	0,15
3	20,94	trans-beta-OCIMENE	0,01
4	29,54	ALLO-OCIMENE	0,02
5	35,62	alpha-CUBEBENE	0,56
6	36,08	ELEMENE ISOMER	0,03
7	36,41	delta-ELEMENE	0,54
8	37,12	BICYCLOELEMENE	0,08
9	37,31	YLANGENE	0,05
10	38,05	alpha-COPAENE	4,90
11	40,16	CYPERENE	0,36
12	40,42	alpha-GURJUNENE	0,04
13	40,48	SESQUITERPENE	0,04
14	41,07	beta1-CUBEBENE	0,66
15	41,73	alpha-CEDRENE	0,02
16	42,65	COMPOUND Mw=206	0,15
17	42,90	CEDRENE ISOMER	0,03
18	43,19	alpha-cis-BERGAMOTENE	0,18
19	43,38	epsilon-CADINENE	0,11
20	43,56	SESQUITERPENE	0,06
21	44,61	alpha-trans-BERGAMOTENE	9,28
22	31,86	beta-ELEMENE	0,05
23	45,25	beta-CARYOPHYLLENE	46,87
24	45,33	SESQUITERPENE	0,04
25	45,61	AROMADENDRENE	0,12
26	45,92	SESQUITERPENE	0,03
27	46,06	GURJUNENE ISOMER	0,04
28	46,37	HIMACHALADIENE ISOMER	0,03
29	46,77	SESQUITERPENE	0,02
30	47,07	CADINA-3,5-DIENE	0,06

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GCMS ANALYSIS (cont'd.)

PRODUCT NAME: COPAIBA BALSAM ESSENTIAL OIL – 11041

Peak	RT (min)	Compound	%
31	47,26	beta-SANTALENE	0,12
32	47,50	GERMACRENE A	0,21
33	47,89	ALLO-AROMADENDRENE	0,39
34	47,95	FARNESENE ISOMER	0,44
35	48,51	FARNESENE ISOMER	0,09
36	48,91	ZONARENE	0,19
37	49,08	SESQUITERPENE	0,14
38	49,49	alpha-HUMULENE	6,23
39	49,55	E-beta-FARNESENE	0,47
40	49,78	cis-4,5-MUUROLADIENE	0,06
41	49,92	gamma-SELINENE	0,04
42	50,38	Z-beta-FARNESENE	0,91
43	50,63	gamma-MUUROLENE	1,45
44	50,83	CALARENE	0,17
45	51,06	gamma-CURCUMENE	0,11
46	51,21	LEDENE	0,13
47	51,95	GERMACRENE D	5,63
48	51,99	MUUROLADIENE ISOMER	0,07
49	52,22	CADINENE ISOMER	0,28
50	52,45	beta-SELINENE	0,81
51	52,60	SESQUITERPENE	0,18
52	52,70	alpha-SELINENE	0,43
53	52,77	alpha-MUUROLENE	0,44
54	53,08	beta-BISABOLENE	4,19
55	53,16	SESQUITERPENE	0,27
56	53,31	BICYCLOGERMACRENE	0,50
57	53,81	beta-CURCUMENE	0,13
58	54,00	SESQUICINEOLE	0,04
59	54,32	E,E-alpha-FARNESENE	0,03
60	54,78	delta-CADINENE	2,60

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GCMS ANALYSIS (cont'd.)

PRODUCT NAME: COPAIBA BALSAM ESSENTIAL OIL – 11041

Peak	RT (min)	Compound	%
61	54,86	gamma-CADINENE	0,28
62	55,02	delta-SELINENE	0,04
63	55,53	beta-SESQUIPHELLANDRENE	0,49
64	55,72	alpha-CURCUMENE	0,10
65	55,78	trans-alpha-BISABOLENE	0,44
66	55,98	SELINADIENE ISOMER	0,05
67	56,21	CADINA-1,4-DIENE	0,10
68	56,79	alpha-AMORPHENE	0,09
69	58,86	GERMACRENE B	0,46
70	59,07	CALAMENENE	0,05
71	61,39	OXYGENED COMPOUND Mw=208	0,04
72	62,22	epi-CUBEBOL	0,04
73	63,68	alpha-CALACORENE	0,06
74	65,05	PALUSTROL	0,04
75	65,92	CUBEBOL	0,05
76	66,86	ISOCARYOPHYLLENE OXIDE	0,04
77	67,36	CARYOPHYLLENE OXIDE	0,17
78	67,82	EUDESMOL ISOMER	0,03
79	68,15	SESQUITERPENOL Mw=222	0,12
80	69,81	LEDOL	0,06
81	70,07	epoxy-6,7-HUMULENE	0,04
82	70,34	SESQUITERPENIC EPOXIDE	0,03
83	70,97	CARYOPHYLLENOL	0,36
84	71,11	SESQUITERPENOL	0,03
85	71,35	JUNEOL	0,95
86	71,40	epi-CUBENOL	0,11
87	71,65	CUBENOL	0,12
88	72,14	GLOBULOL	0,06
89	72,60	VIRIDIFLOROL	0,09
90	72,84	GUAIOL	0,04

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GCMS ANALYSIS (cont'd.)

PRODUCT NAME: COPAIBA BALSAM ESSENTIAL OIL – 11041

Peak	RT (min)	Compound	%
91	73,54	AROMATIC COMPOUND	0,02
92	73,71	10-epi-gamma-EUDESOL	0,02
93	74,18	ROSIFOLIOL	0,02
94	74,55	SPATHULENOL	0,04
95	74,73	DIHYDROISOCARYOPHYLLENE Mw=206	0,24
96	75,21	COPAENOL ISOMER	0,16
97	75,66	COPAENOL ISOMER	0,06
98	75,81	SESQUITERPENOL	0,06
99	76,02	beta-BISABOLOL	0,03
100	76,10	SESQUITERPENIC EPOXIDE	0,11
101	76,23	SESQUITERPENOL	0,06
102	76,58	SESQUITERPENOL	0,07
103	76,90	T-CADINOL	0,15
104	77,69	alpha-MUUROLOL	0,31
105	78,04	SESQUITERPENOL	0,10
106	78,24	delta-CADINOL	0,37
107	78,29	SESQUITERPENOL	0,08
108	78,84	SESQUITERPENOL	0,06
109	79,11	epi-alpha-BISABOLOL	0,10
110	79,24	alpha-BISABOLOL	0,07
111	79,38	alpha-EUDESOL	0,05
112	79,84	alpha-CADINOL	0,47
113	80,68	COMPOUND Mw=272	0,04
114	80,85	EUDESMA-7(11)-EN-4-OL	0,09
115	82,50	SESQUITERPENOL Mw=222	0,03
116	82,96	JUNIPER CAMPHOR	0,09
117	83,44	DITERPENE Mw=272	0,02
118	86,47	SESQUITERPENIC EPOXIDE	0,03
119	87,59	KAUR-16-ENE Mw=272	0,07
120	92,49	AROMATIC COMPOUND	0,06

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GCMS ANALYSIS (cont'd,)

PRODUCT NAME: COPAIBA BALSAM ESSENTIAL OIL – 11041

Peak	RT (min)	Compound	%
121	95,14	AROMATIC COMPOUND	0,04
122	99,31	epi-MANOOL	0,03
123	99,88	AROMATIC COMPOUND	0,02
124	100,63	AROMATIC COMPOUND	0,03
125	104,38	AROMATIC COMPOUND	0,04
126	108,88	DITERPENE Mw=272	0,06
127	109,00	METHYL COPALATE	0,12
128	109,25	PALMITIC ACID	0,06
129	112,36	COPAIBA COMPOUND	0,18
130	115,93	COPAIBA COMPOUND	0,12
131	123,35	COPAIBA COMPOUND	0,08
132	129,92	COMPOUND Mw=260	0,21
		TOTAL	99,86

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