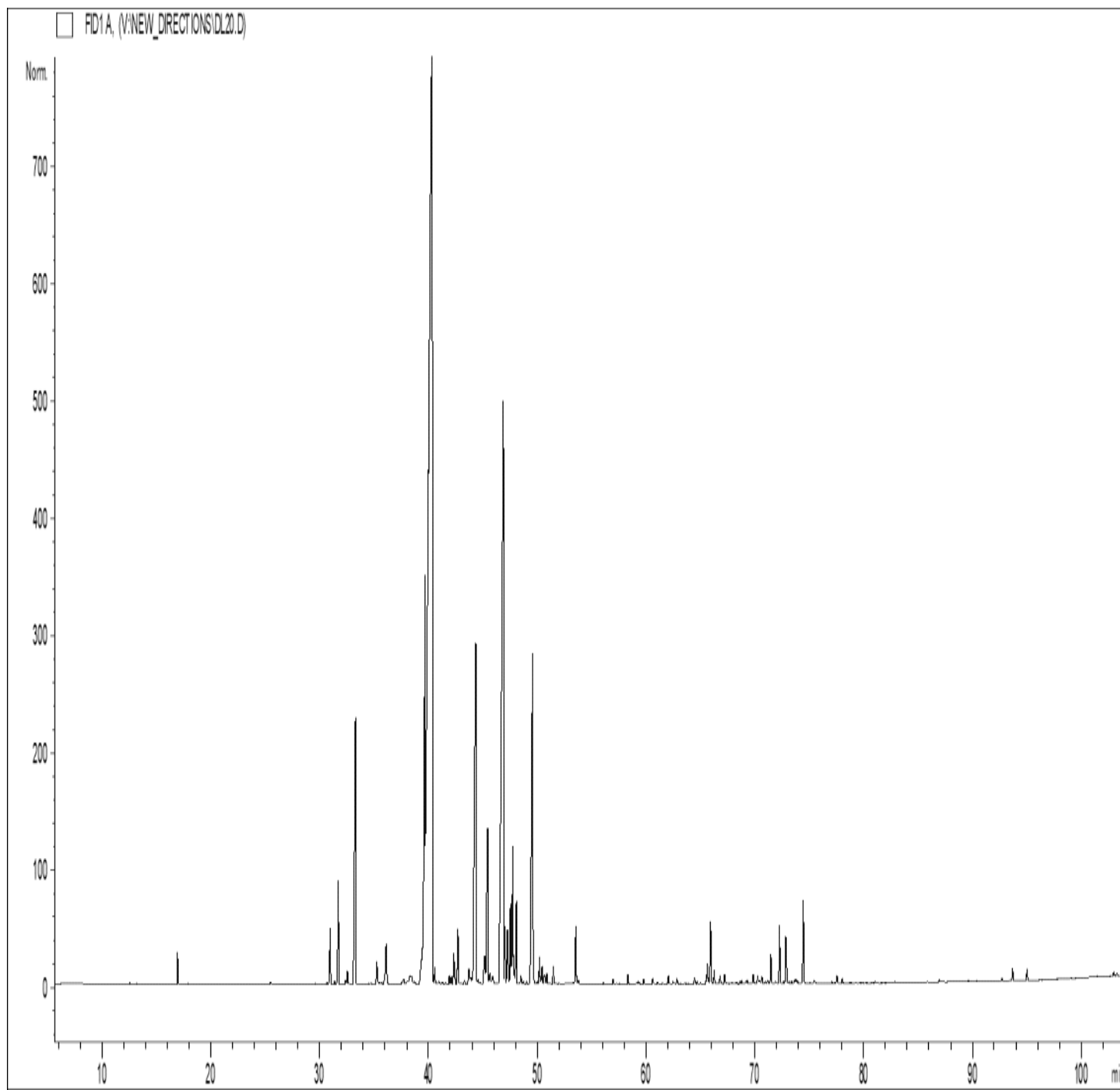


GCMS ANALYSIS

PRODUCT NAME: COPAIBA BALSAM ESSENTIAL OIL - 11041

DATE: December 18, 2020



*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	12,58	p-MENTH-2-ENE	0,01
2	16,96	cis-beta-OCIMENE	0,24
3	17,94	trans-beta-OCIMENE	0,01
4	25,52	ALLO-OCIMENE ISOMER	0,03
5	29,66	SESQUITERPENE	0,01
6	30,68	SESQUITERPENE	0,02
7	30,97	alpha-CUBEBENE	0,59
8	31,39	ELEMENE ISOMER	0,04
9	31,73	delta-ELEMENE	1,07
10	32,39	BICYCLOELEMENE	0,05
11	32,57	YLANGENE	0,15
12	33,31	alpha-COPAENE	3,95
13	34,71	SESQUITERPENE	0,02
14	35,28	CYPERENE	0,27
15	35,48	alpha-GURJUNENE	0,04
16	35,67	SESQUITERPENE	0,02
17	36,12	beta1-CUBEBENE	0,64
18	37,71	COMPOUND Mw=206	0,13
19	38,17	alpha-CEDRENE	0,09
20	38,27	epsilon-CADINENE	0,30
21	38,56	SESQUITERPENE	0,08
22	39,68	alpha-trans-BERGAMOTENE + beta-ELEMENE	4,34
23	40,34	beta-CARYOPHYLLENE	45,19
24	40,57	AROMADENDRENE	0,13
25	40,94	SESQUITERPENE	0,05
26	41,21	SESQUITERPENE	0,02
27	41,33	SESQUITERPENE	0,02
28	41,59	SESQUITERPENE	0,02
29	41,91	SESQUITERPENE	0,08
30	42,08	CADINA-3,5-DIENE	0,08

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GCMS ANALYSIS (cont'd.)

PRODUCT NAME: COPAIBA BALSAM ESSENTIAL OIL - 11041

Peak	RT (min)	Compound	%
31	42,32	GERMACRENE A	0,40
32	42,70	ALLO-AROMADENDRENE + E-beta-FARNESENE	0,66
33	43,30	FARNESENE ISOMER	0,06
34	43,71	ZONARENE	0,23
35	43,89	SESQUITERPENE	0,10
36	44,34	alpha-HUMULENE	6,07
37	44,56	cis-4,5-MUUROLADIENE	0,06
38	44,69	gamma-SELINENE	0,02
39	45,16	Z-beta-FARNESENE	0,52
40	45,43	gamma-MUUROLENE	2,41
41	45,64	gamma-CURCUMENE	0,17
42	45,86	LEDENE	0,15
43	46,89	GERMACRENE D	14,31
44	47,02	MUUROLADIENE ISOMER	0,61
45	47,25	beta-SELINENE + EREMOPHILENE	0,70
46	47,52	alpha-SELINENE	0,32
47	47,54	alpha-MUUROLENE	0,67
48	47,74	E,E-alpha-FARNESENE	1,52
49	47,82	HIMACHALENE ISOMER	0,26
50	48,07	BICYCLOGERMACRENE	0,86
51	48,49	SESQUITERPENE	0,09
52	49,53	delta-CADINENE	4,20
53	49,56	gamma-CADINENE	0,54
54	50,00	7-epi-alpha-SELINENE	0,03
55	50,20	beta-SESQUIPELLANDRENE	0,27
56	50,44	trans-alpha-BISABOLENE	0,22
57	50,64	SESQUITERPENE	0,13
58	50,89	CADINA-1,4-DIENE	0,11
59	51,47	alpha-AMORPHENE	0,20
60	49,95	ALIPHATIC ALCOHOL	0,01

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GCMS ANALYSIS (cont'd.)

PRODUCT NAME: COPAIBA BALSAM ESSENTIAL OIL - 11041

Peak	RT (min)	Compound	%
61	53,76	CALAMENENE	0,05
62	56,06	OXYGENED COMPOUND Mw=208	0,02
63	56,96	epi-CUBEBOL	0,04
64	57,28	SESQUITERPENIC OXIDE	0,01
65	58,33	alpha-CALACORENE	0,10
66	59,16	PALUSTROL	0,02
67	59,29	HUMULENE EPOXIDE	0,03
68	59,77	CUBEBOL	0,05
69	60,61	beta-CALACORENE	0,07
70	61,06	AROMATIC COMPOUND	0,02
71	62,04	CARYOPHYLLENE OXIDE	0,09
72	62,47	EUDESMOL ISOMER	0,03
73	62,56	SESQUITERPENOL	0,02
74	62,82	SESQUITERPENOL Mw=222	0,07
75	64,45	LEDOL	0,07
76	64,71	SESQUITERPENIC EPOXIDE	0,03
77	65,61	CARYOPHYLLENOL	0,21
78	65,93	JUNEOL	0,77
79	66,26	CUBENOL	0,14
80	66,79	GLOBULOL	0,11
81	67,20	VIRIDIFLOROL	0,11
82	68,32	AROMATIC COMPOUND	0,03
83	68,63	10-epi-gamma-EUDESMOL	0,03
84	68,77	ROSIFOLIOL	0,04
85	69,18	SPATHULENOL	0,03
86	69,32	DIHYDROISOCARYOPHYLLENE Mw=206	0,04
87	69,83	SESQUITERPENOL	0,10
88	70,25	COPAENOL ISOMER	0,10
89	70,43	SESQUITERPENIC EPOXIDE	0,04
90	70,57	SESQUITERPENIC EPOXIDE	0,02

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GCMS ANALYSIS (cont'd.)

PRODUCT NAME: COPAIBA BALSAM ESSENTIAL OIL - 11041

Peak	RT (min)	Compound	%
91	70,65	SESQUITERPENIC EPOXIDE	0,07
92	70,98	SESQUITERPENOL	0,04
93	71,16	SESQUITERPENOL	0,04
94	71,47	T-CADINOL	0,30
95	71,92	SESQUITERPENOL	0,04
96	72,27	alpha-MUUROLOL	0,60
97	72,83	delta-CADINOL	0,50
98	72,91	SESQUITERPENOL	0,12
99	73,14	SESQUITERPENOL	0,02
100	73,39	FARNESYL ACETATE E-E	0,02
101	73,68	CADALENE	0,05
102	73,81	epi-alpha-BISABOLOL	0,04
103	73,95	alpha-BISABOLOL	0,02
104	74,45	alpha-CADINOL	0,89
105	75,45	EUDESMA-7(11)-EN-4-OL	0,04
106	77,08	SESQUITERPENOL	0,02
107	77,54	SELIN-11-EN-4-OL	0,09
108	81,07	DITERPENIC AROMATIC COMPOUND Mw=272	0,03
109	86,93	AROMATIC COMPOUND	0,04
110	89,61	AROMATIC COMPOUND	0,02
111	92,73	AROMATIC COMPOUND	0,02
112	93,67	epi-MANOOL	0,13
113	95,02	DITERPENIC AROMATIC COMPOUND Mw=272	0,11
		TOTAL	100,00

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