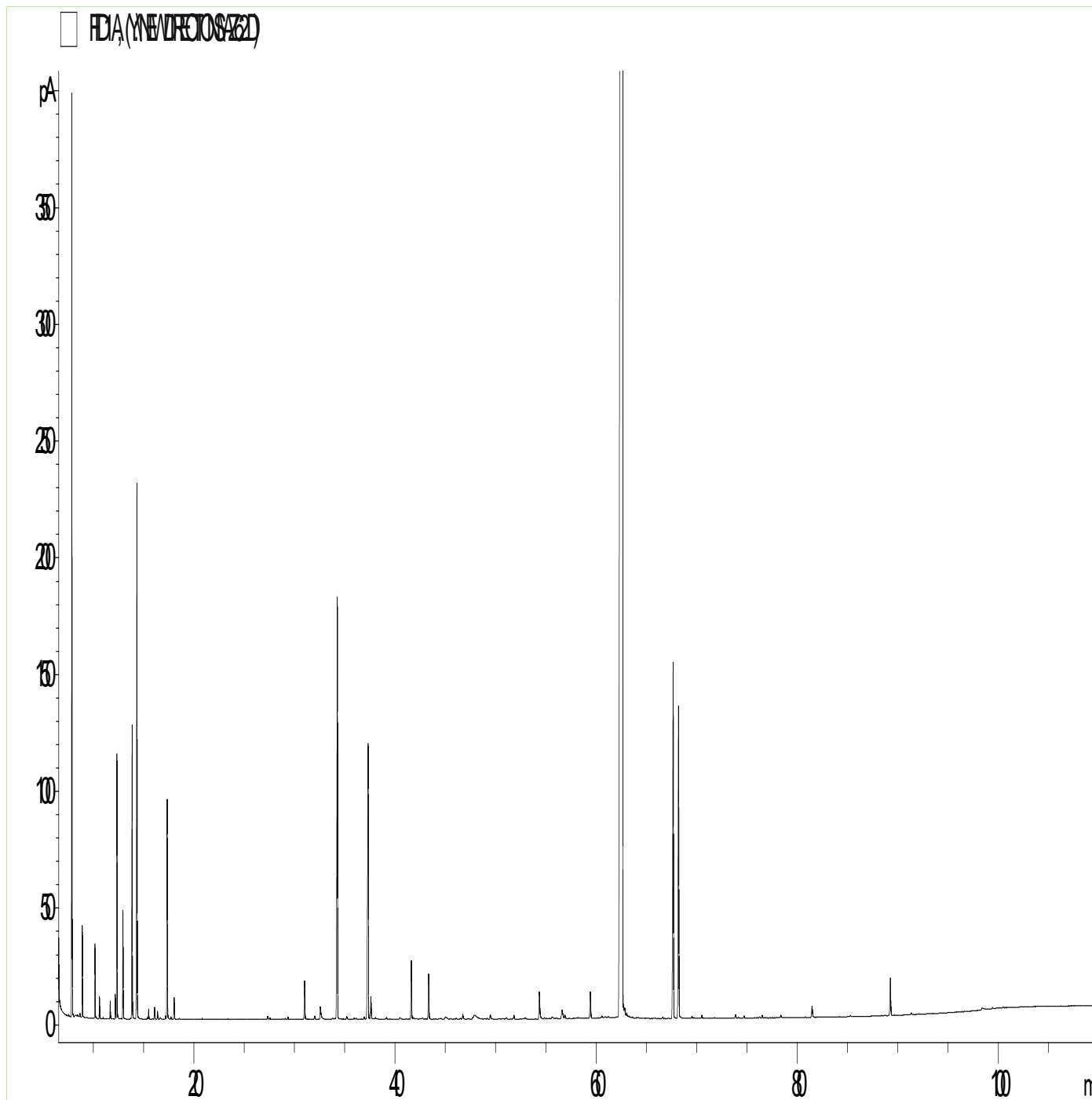


GCMS ANALYSIS

PRODUCT NAME: CINNAMON BARK ESSENTIAL OIL (MADAGASCAR) - 11315
DATE: March 16, 2020



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: CINNAMON BARK ESSENTIAL OIL (MADAGASCAR) - 11315

Peak	RT (min)	Compound	%
1	7,86	alpha-PINENE	3,67
2	7,91	alpha-THUYENE	0,32
3	8,68	alpha-FENCHENE	0,02
4	8,92	CAMPHENE	0,42
5	10,17	beta-PINENE	0,38
6	10,62	SABINENE	0,11
7	11,69	delta3-CARENE	0,10
8	12,19	beta-MYRCENE	0,14
9	12,36	alpha-PHELLANDRENE	1,46
10	12,95	alpha-TERPINENE	0,60
11	13,87	LIMONENE	1,76
12	14,35	1,8-CINEOLE	3,67
13		beta-PHELLANDRENE	
14	15,51	cis-beta-OCIMENE	0,06
15	16,09	gamma-TERPINENE	0,08
16	16,39	trans-beta-OCIMENE	0,05
17	17,19	m-CYMENE	0,02
18	17,35	p-CYMENE	1,39
19	17,73	ISOTERPINOLENE	0,01
20	18,04	TERPINOLENE	0,13
21	18,05	2-METHYLBUTYL 2-METHYLBUTYRATE	0,03
22	27,34	alpha-p-DIMETHYLSTYRENE	0,03
23	27,58	LINALOOL cis-OXIDE	0,01
24	29,37	LINALOOL trans-OXIDE	0,02
25	31,01	alpha-COPAENE	0,31
26	32,02	CAMPHOR	0,03
27	32,58	BENZALDEHYDE	0,18
28	34,27	LINALOOL	3,43
29	35,20	trans-p-MENTH-2-EN-1-OL	0,02
30	35,93	ISOCARYOPHYLLENE	0,01

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GCMS ANALYSIS (cont'd.)

PRODUCT NAME: CINNAMON BARK ESSENTIAL OIL (MADAGASCAR) - 11315

Peak	RT (min)	Compound	%
31	36,14	BORNYL ACETATE	0,01
32	36,96	beta-ELEMENE	0,02
33	37,33	beta-CARYOPHYLLENE	2,84
34	37,60	TERPINENE-4-OL	0,19
35	38,04	HOTRIENOL	0,02
36	39,15	cis-p-MENTH-2-EN-1-OL	0,02
37	40,48	ACETOPHENONE	0,02
38	41,61	alpha-HUMULENE	0,48
39	41,84	CARVOTANACETONE	0,02
40	42,70	SESQUITERPENE Mw=202	0,01
41	43,33	alpha-TERPINEOL	0,38
42	45,00	alpha-SELINENE	0,03
43	45,13	alpha-MUUROLENE	0,02
44	46,07	trans-PIPERITOL	0,01
45	46,73	delta-CADINENE	0,05
46	47,72	METHYL SALICYLATE	0,02
47	47,86	BENZENEPROPANAL	0,14
48	48,32	CADINA-1,4-DIENE	0,02
49	49,47	trans-SABINOL	0,04
50	51,07	CALAMENENE	0,01
51	51,80	p-CYMENE-8-OL	0,02
52	51,81	GERANIOL	0,02
53	52,98	SAFROLE	0,01
54	54,34	Z-CINNAMALDEHYDE	0,31
55	54,84	CALACORENE ISOMER	0,02
56	55,60	AROMATIC COMPOUND	0,02
57	55,71	alpha-CALACORENE	0,01
58	56,60	TETRADECANAL	0,14
59	56,88	BENZENE PROPANOL ACETATE	0,03
60	58,26	BENZALDEHYDE, 2-METHOXY-	0,01

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GCMS ANALYSIS (cont'd.)

PRODUCT NAME: CINNAMON BARK ESSENTIAL OIL (MADAGASCAR) - 11315

Peak	RT (min)	Compound	%
61	59,41	CARYOPHYLLENE OXIDE	0,26
62	60,58	SESQUITERPENIC EPOXIDE	0,02
63	61,20	METHYLEUGENOL	0,01
64	62,62	E-CINNAMALDEHYDE	69,47
65	62,84	EPOXY-6,7-HUMULENE	0,04
66	63,03	CARYOPHYLLENOL	0,02
67	63,25	METHYL CINNAMATE	0,01
68	67,65	CINNAMYL ACETATE	3,34
69	68,18	EUGENOL	2,75
70	69,52	T-CADINOL	0,02
71	70,51	THYMOL	0,03
72	73,85	CINNAMIC ALCOHOL	0,04
73	74,70	CARYOPHYLLA-2,6-DIEN-5-alpha-OL	0,02
74	76,24	CHAVICOL	0,01
75	76,51	SESQUITERPENIC EPOXIDE	0,03
76	78,35	SESQUITERPENIC EPOXIDE	0,03
77	81,46	CINNAMALDEHYDE, 2-METHOXY-	0,12
78	85,28	EUGENOL, METHOXY-	0,01
79	89,25	BENZYL BENZOATE	0,38
80	91,33	alpha-PHELLANDRENE DIMER ISOMER	0,02
		TOTAL	99,97

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