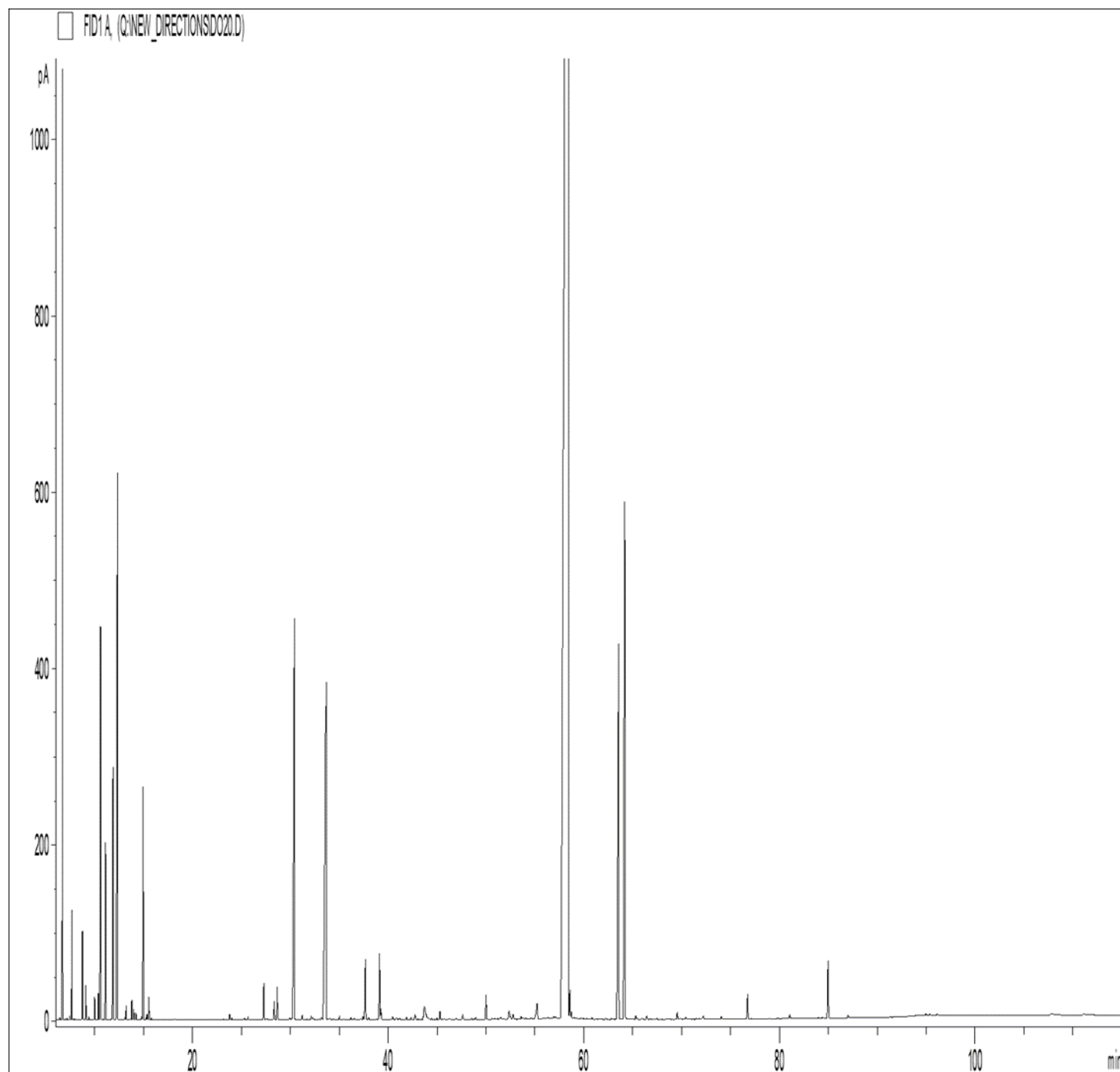


GCMS ANALYSIS

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

DATE: January 08, 2021



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	6,72	alpha-PINENE	2,77
2	6,73	alpha-THUYENE	0,38
3	7,47	alpha-FENCHENE	0,01
4	7,67	CAMPHENE	0,37
5	8,76	beta-PINENE	0,34
6	9,10	SABINENE	0,13
7	9,41	delta2-CARENE	0,01
8	10,00	delta3-CARENE	0,10
9	10,39	beta-MYRCENE	0,15
10	10,61	alpha-PHELLANDRENE	2,00
11	11,12	alpha-TERPINENE	0,81
12	11,88	LIMONENE	1,41
13	12,34	1,8-CINEOLE	4,22
14		beta-PHELLANDRENE	
15	13,10	ALIPHATIC ESTER	0,01
16	13,22	cis-beta-OCIMENE	0,06
17	13,80	gamma-TERPINENE	0,09
18	14,00	trans-beta-OCIMENE	0,05
19	14,22	STYRENE	0,03
20	14,79	m-CYMENE	0,02
21	14,96	p-CYMENE	1,26
22	15,26	ISOTERPINOLENE	0,01
23	15,36	2-METHYLBUTYL 2-METHYLBUTYRATE	0,03
24	15,54	TERPINOLENE	0,11
25	15,79	OCTANAL	0,01
26	23,80	alpha-p-DIMETHYLSTYRENE	0,03
27	24,02	LINALOOL cis-OXIDE	0,01
28	25,69	LINALOOL trans-OXIDE	0,02
29	27,30	alpha-COPAENE	0,25
30	28,35	CAMPHOR	0,12

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GCMS ANALYSIS *(cont'd.)*

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

Peak	RT (min)	Compound	%
31	28,67	BENZALDEHYDE	0,22
32	29,97	cis-p-MENTH-3-EN-7-AL	0,02
33	30,42	LINALOOL	3,77
34	31,22	trans-p-MENTH-2-EN-1-OL	0,03
35	32,14	ISOCARYOPHYLLENE	0,03
36	32,28	BORNYL ACETATE	0,02
37	33,19	beta-ELEMENE	0,02
38	33,67	beta-CARYOPHYLLENE	5,02
39	33,68	TERPINENE-4-OL	0,31
40	33,82	AROMADENDRENE	0,01
41	34,03	ALCOOL TERPENIQUE	0,02
42	35,02	cis-p-MENTH-2-EN-1-OL	0,02
43	36,20	ACETOPHENONE	0,02
44	36,58	SESQUITERPENE	0,01
45	37,45	CRYPTONE	0,03
46	37,68	alpha-HUMULENE	0,47
47	38,03	cis-PIPERITOL	0,02
48	39,13	alpha-TERPINEOL	0,43
49	39,26	BORNEOL	0,08
50	40,46	PELLANDRAL	0,03
51	40,83	SESQUITERPENE	0,01
52	40,87	beta-BISABOLENE	0,01
53	41,87	BENZOFURAN, 2-METHYL-	0,02
54	42,34	trans-PIPERITOL	0,02
55	42,75	delta-CADINENE	0,05
56	43,70	BENZENEPROPANAL	0,29
57	44,16	alpha-CURCUMENE	0,01
58	44,44	CADINA-1,4-DIENE	0,01
59	45,30	trans-SABINOL	0,06
60	46,97	SESQUITERPENE	0,02

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GCMS ANALYSIS (cont'd.)

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

Peak	RT (min)	Compound	%
61	47,63	CALAMENENE	0,04
62	48,97	SAFROLE	0,02
63	50,01	Z-CINNAMALDEHYDE	0,19
64	50,86	CALACORENE ISOMER	0,01
65	51,50	alpha-CALACORENE	0,02
66	52,36	TETRADECANAL	0,12
67	52,78	BENZENE PROPANOL ACETATE	0,05
68	53,62	BENZALDEHYDE, 2-METHOXY-	0,02
69	54,71	SESQUITERPENIC EPOXIDE	0,01
70	55,10	SESQUITERPENIC EPOXIDE	0,03
71	55,23	CARYOPHYLLENE OXIDE	0,18
72	56,31	SESQUITERPENIC EPOXIDE	0,01
73	56,92	ISOCINNAMYL ACETATE	0,02
74	57,08	METHYLEUGENOL	0,02
75	58,41	E-CINNAMALDEHYDE	63,86
76	58,58	AROMATIC COMPOUND Mw=206	0,20
77	58,72	EPOXY-6,7-HUMULENE	0,05
78	58,98	CARYOPHYLLENOL	0,02
79	60,86	SESQUITERPENOL	0,01
80	62,23	Epi-CUBENOL	0,01
81	63,56	CINNAMYL ACETATE	3,83
82	64,18	EUGENOL	4,44
83	65,31	AROMATIC COMPOUND Mw=206	0,03
84	66,44	THYMOL	0,02
85	69,56	CINNAMIC ALCOHOL	0,05
86	70,44	CARYOPHYLLA-2,6-DIEN-5-alpha-OL	0,02
87	72,14	CHAVICOL	0,01
88	72,24	SESQUITERPENIC EPOXIDE	0,02
89	74,05	SESQUITERPENIC EPOXIDE	0,02
90	76,74	CINNAMALDEHYDE, 2-METHOXY-	0,19

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GCMS ANALYSIS (cont'd.)

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

Peak	RT (min)	Compound	%
91	81,05	EUGENOL, METHOXY-	0,03
92	84,96	BENZYL BENZOATE	0,45
93	86,98	alpha-PHELLANDRENE DIMER ISOMER	0,03
94	94,97	COMPOUND Mw=268	0,02
95	95,36	COMPOUND Mw=268	0,02
96	96,11	COMPOUND Mw=266	0,02
		TOTAL	100,00

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