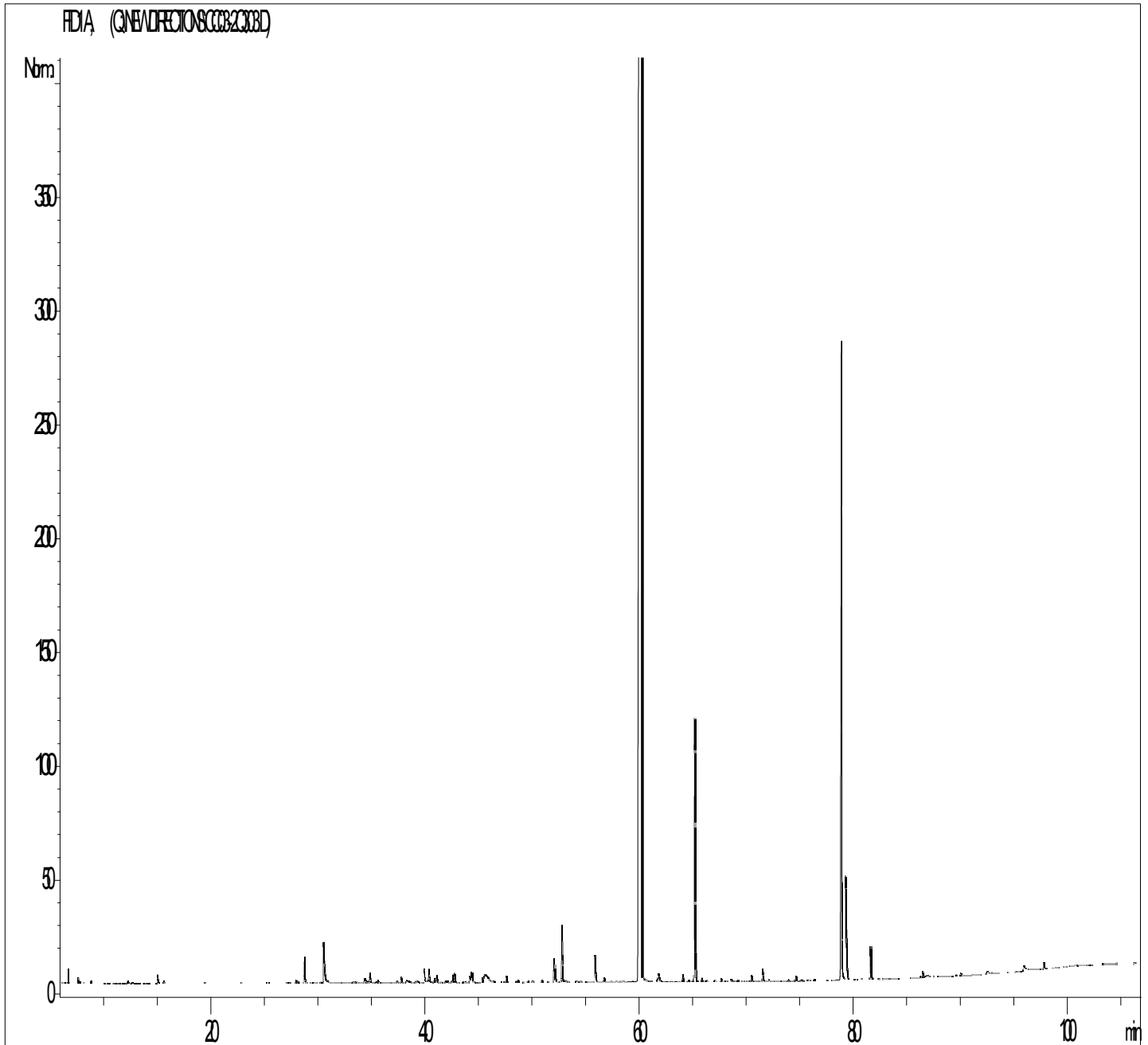


GCMS ANALYSIS

Product Name: Cassia Essential Oil

Date: April 3, 2018



Product Name: Cassia Essential Oil Cont'd
Date: April 3, 2018

Peak	RT (min)	Compound name	%
1	6,6	ACETONE	0,08
2	7,5	alpha-PINENE	0,04
3	7,7	CAMPHENE	0,01
4	8,8	beta-PINENE	0,03
5	12,2	LIMONENE	0,03
6	12,7	1,8-CINEOLE	0,01
7	15,0	STYRENE	0,12
8	15,6	p-CYMENE	0,02
9	28,0	CYCLOSATIVENE	0,04
10	28,1	YLANGENE	0,02
11	28,7	alpha-COPAENE	0,33
12	30,5	BENZALDEHYDE	0,77
13	34,3	alpha,cis-BERGAMOTENE	0,05
14	34,6	beta-ELEMENE + beta-CUBEBENE	0,02
15	34,8	beta-CARYOPHYLLENE	0,12
16	35,6	AROMADENDRENE	0,03
17	37,4	STYRENE, p-METHOXY-	0,03
18	37,8	ALLO-AROMADENDRENE	0,07
19	38,3	ACETOPHENONE	0,04
20	38,4	BENZOFURAN, 2-METHYL-	0,03
21	-	ACETOPHENONE	Nd
22	39,9	SALICYLIC ALDEHYDE	0,29
23	40,4	gamma-MUUROLENE	0,22
24	40,9	SESQUITERPENE	0,04
25	41,1	BORNEOL	0,09
26	41,2	LEDENE	0,03
27	41,9	GERMACRENE D	0,02
28	42,1	beta-SELINENE	0,03
29	42,4	alpha-SELINENE	0,02
30	42,6	alpha-MUUROLENE	0,10

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Product Name: Cassia Essential Oil Cont'd
Date: April 3, 2018

Peak	RT (min)	Compound name	%
31	42,8	beta-BISABOLENE	0,13
32	44,2	CINNAMALDEHYDE HYDROXY	0,09
33	44,3	delta-CADINENE	0,13
34	44,4	gamma-CADINENE	0,11
35	44,5	SESQUITERPENE	0,01
36	45,3	alpha-CURCUMENE	0,05
37	45,6	BENZENE PROPANAL	0,51
38	45,9	SESQUITERPENE	0,02
39	46,4	ACETOPHENONE, 4-HYDROXY	0,01
40	47,1	1-PROPANONE-1-METHYL	0,01
41	47,6	2-PHENYLETHYL ACETATE	0,07
42	48,5	trans-ANETHOL	0,01
43	48,6	CALAMENENE	0,04
44	50,1	AROMATIC COMPOUND	0,03
45	50,9	BENZYL ALCOHOL	0,03
46	52,0	Z-CINNAMALDEHYDE	0,40
47	52,8	2-PHENYLETHYL ALCOHOL	0,79
48	54,1	alpha-CALACORENE	0,04
49	54,5	TETRADECANAL	0,01
50	55,8	BENZALDEHYDE, 2-METHOXY	0,48
51	56,8	CARYOPHYLLENE EPOXIDE	0,06
52	60,1	E-CINNAMALDEHYDE	76,98
53	60,3	NEROLIDOL	0,18
54	61,8	METHOXYPHENYLACETONE ISOMER	0,22
55	64,1	SPATHULENOL	0,09
56	65,2	CINNAMYL ACETATE	3,39
57	65,9	EUGENOL	0,05
58	67,6	RIMUENE Mw=272	0,04
59	68,6	DITERPENE Mw=272	0,05
60	68,7	alpha-BISABOLOL	0,03

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Product Name: Cassia Essential Oil Cont'd
Date: April 3, 2018

Peak	RT (min)	Compound name	%
61	70,5	Cis-o-METHOXY-CINNAMALDEHYDE	0,08
62	71,5	CINNAMIC ALCOHOL	0,18
63	74,7	DITERPENE Mw=272	0,07
64	76,4	KAUR-16-ENE	0,03
65	78,9	Trans-o-METHOXY-CINNAMALDEHYDE	9,89
66	79,3	COUMARIN	2,00
67	81,6	AROMATIC COMPOUND	0,43
68	-	o-METHOXYCINNAMYL ACETATE	Nd
69	86,3	HYDROCINNAMIC ACID	0,02
70	86,5	BENZYL BENZOATE	0,09
71	90,1	2-PHENYLETHYL BENZOATE	0,04
72	95,9	CINNAMIC ACID	0,16
73	97,8	PALMITIC ACID	0,09
74	107,7	OLEIC ACID	0,12
		TOTAL	99,99

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