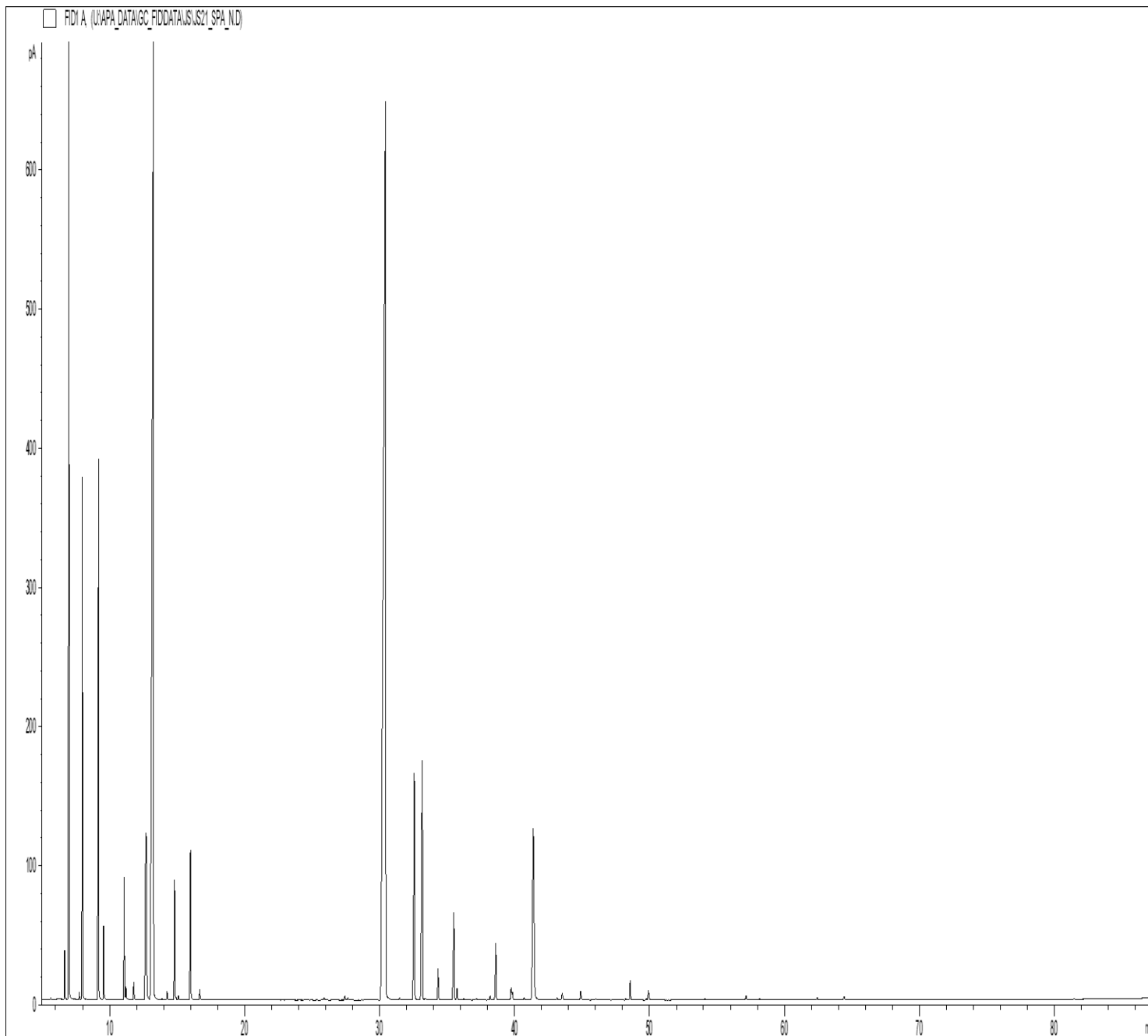


## GCMS ANALYSIS

**PRODUCT NAME: SPANISH SAGE ESSENTIAL OIL – 11344**

**DATE: April 5, 2023**



*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: SPANISH SAGE ESSENTIAL OIL – 11344

Peak	RT (min)	Compound name	%
1	5.64	TERPENIC COMPOUND	0.01
2	6.16	BORNYLENE	0.01
3	6.68	TRICYCLENE	0.35
4	7.00	<b>alpha-PINENE</b>	<b>10.04</b>
5	7.01	alpha-THUYENE	0.22
6	7.76	alpha-FENCHENE	0.05
7	7.99	<b>CAMPHENE</b>	<b>4.15</b>
8	9.18	<b>beta-PINENE</b>	<b>5.19</b>
9	9.56	<b>SABINENE</b>	<b>0.61</b>
10	9.64	PINADIENE	0.03
11	10.58	delta3-CARENE	0.01
12	11.07	beta-MYRCENE	1.14
13	11.20	alpha-PHELLANDRENE	0.15
14	11.33	psi-LIMONENE	0.02
15	11.78	alpha-TERPINENE	0.20
16	12.20	1,8-CINEOLE, 2,3-DEHYDRO-	0.02
17	12.69	<b>LIMONENE</b>	<b>3.35</b>
18	13.25	<b>1,8-CINEOLE</b>	<b>23.68</b>
19	13.86	COMPOUND Mw=152	0.01
20	14.25	cis-beta-OCIMENE	0.09
21	14.81	gamma-TERPINENE	1.21
22	14.87	MENTHATRIENE ISOMER	0.03
23	15.09	trans-beta-OCIMENE	0.05
24	15.98	p-CYMENE	1.59
25	16.67	TERPINOLENE	0.12
26	23.07	FENCHONE	0.01
27	24.68	beta-THUYONE	0.01
28	25.89	LINALOOL cis-OXIDE	0.04
29	26.45	1-OCTEN-3-OL	0.01
30	27.43	trans-THUYANOL	0.08

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GCMS ANALYSIS (cont'd.)

PRODUCT NAME: SPANISH SAGE ESSENTIAL OIL – 11344

Peak	RT (min)	Compound name	%
31	27.66	LINALOOL trans-OXIDE	0.03
32	28.92	alpha-CAMPHOLENOL	0.02
33	30.43	<b>CAMPHOR</b>	<b>31.91</b>
34	30.89	beta-BOURBONENE	0.04
35	31.18	CAMPHOLENIC ALCOHOL	0.02
36	31.48	alpha-GURJUNENE	0.03
37	32.56	<b>LINALOOL</b>	<b>3.21</b>
38	33.16	<b>LINALYL ACETATE</b>	<b>3.71</b>
39	33.36	PINOCARVONE	0.03
40	33.82	BORNYL FORMATE	0.01
41	34.33	BORNYL ACETATE	0.40
42	35.25	CAMPHENE HYDRATE	0.02
43	35.51	beta-CARYOPHYLLENE	1.30
44	35.75	<b>TERPINENE-4-OL</b>	<b>0.17</b>
45	36.24	HOTRIENOL	0.02
46	37.05	MYRTENAL	0.02
47	37.17	cis-p-MENTHA-2,8-DIEN-1-OL	0.04
48	38.20	BORNYL PROPIONATE	0.06
49	38.62	<b>trans-SABINYL ACETATE</b>	<b>0.77</b>
50	39.38	ISOBORNEOL	0.02
51	39.77	alpha-HUMULENE	0.18
52	39.85	delta-TERPINEOL	0.12
53	40.14	trans-VERBENOL	0.02
54	40.62	NERAL	0.01
55	40.71	LAVANDULAL	0.03
56	41.40	<b>TERPENYL ACETATE</b>	<b>2.62</b>
57		alpha-TERPINEOL	
58	41.50	<b>BORNEOL</b>	<b>1.53</b>
59	42.13	GERMACRENE D	0.03
60	43.16	NERYL ACETATE	0.03

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**GCMS ANALYSIS (cont'd.)**

**PRODUCT NAME: SPANISH SAGE ESSENTIAL OIL – 11344**

Peak	RT (min)	Compound name	%
61	43.50	GERANIAL	0.02
62	43.54	BICYCLOGERMACRENE	0.13
63	44.15	beta-CURCUMENE	0.03
64	44.92	GERANYL ACETATE	0.12
65		delta-CADINENE	
66	45.10	gamma-CADINENE	0.03
67	46.04	trans-alpha-BISABOLENE	0.02
68	46.62	MYRTENOL	0.02
69	46.88	trans-p-MENTHA-1(7),8-DIEN-2-OL	0.02
70	47.28	NEROL	0.01
71	48.24	NERYL ISOBUTYRATE	0.02
72	48.58	GERANYL PROPIONATE	0.24
73	49.17	trans-CARVEOL	0.01
74	49.77	p-CYMENE-8-OL	0.02
75	49.92	GERANIOL	0.16
76	52.75	GERANYL BUTYRATE	0.01
77	53.01	NERYL 2-METHYLBUTYRATE	0.01
78	54.12	GERANYL METHYLBUTYRATE	0.02
79	56.10	HEXENYLIC ESTER	0.01
80	57.16	CARYOPHYLLENE OXIDE	0.06
81	58.16	COMPOUND Mw=166	0.03
82	60.11	EPOXY-6,7-HUMULENE	0.02
83	62.42	VIRIDIFLOROL	0.04
84	64.42	SPATHULENOL	0.05
		<b>TOTAL</b>	<b>99.98</b>

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