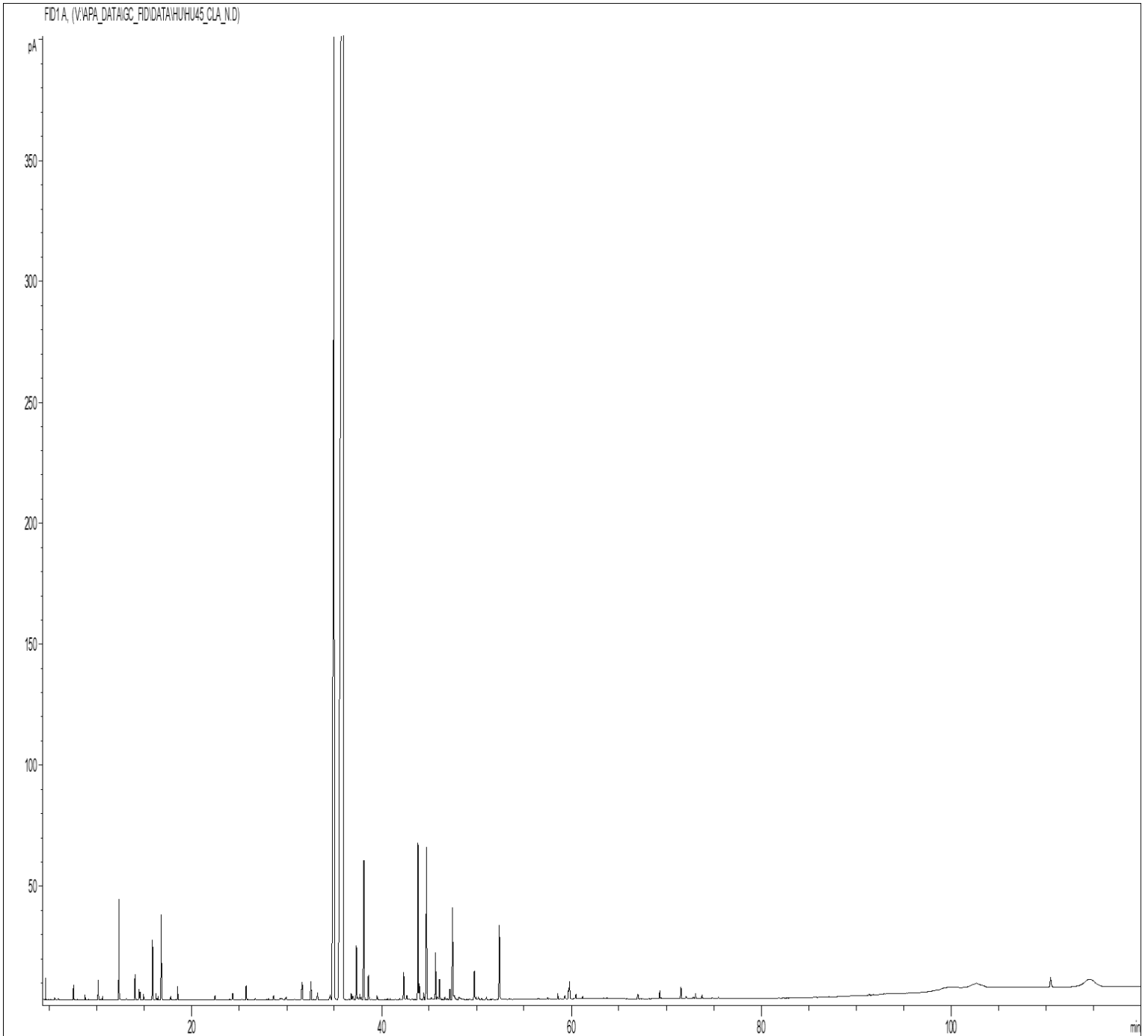


GCMS ANALYSIS

PRODUCT NAME: CLARY SAGE ORGANIC ESSENTIAL OIL – 50066

DATE: June 30, 2022



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: CLARY SAGE ORGANIC ESSENTIAL OIL – 50066

Peak	RT (min)	Compound name	%
1	7.51	α -PINENE	0.08
2	8.73	CAMPHENE	0.03
3	10.12	β -PINENE	0.13
4	10.59	SABINENE	0.03
5	12.32	β -MYRCENE	0.72
6		α -PHELLANDRENE	
7	13.11	α -TERPINENE	0.01
8	14.03	LIMONENE	0.19
9	14.46	cis-ARBUSCULON	0.09
10	14.57	β -PHELLANDRENE	0.06
11	14.93	2-HEXENAL	0.05
12	15.86	cis- β -OCIMENE	0.46
13	16.25	trans-ARBUSCULON	0.05
14	16.45	γ -TERPINENE	0.03
15	16.78	trans- β -OCIMENE	0.65
16	17.77	p-CYMENE	0.03
17	18.52	TERPINOLENE	0.11
18	22.45	1-HEXANOL	0.04
19	24.31	3-HEXEN-1-OL	0.08
20	25.73	2-HEXEN-1-OL	0.14
21	26.69	HEXYL BUTYRATE	0.01
22	28.09	β -THUYONE	0.01
23	28.63	1-OCTEN-3-OL	0.06
24	29.20	ACETIC ACID	0.04
25	29.45	α -CUBEBENE	0.01
26	29.92	LINALOOL trans-OXIDE	0.01
27	29.96	NERYL OXIDE	0.02
28	31.64	α -COPAENE	0.25
29	32.56	CAMPHOR	0.18
30	33.26	β -BOURBONENE	0.10

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GCMS ANALYSIS (cont'd.)
PRODUCT NAME: CLARY SAGE ORGANIC ESSENTIAL OIL – 50066

Peak	RT (min)	Compound name	%
31	34.59	β 1-CUBEBENE	0.07
32	34.99	LINALOOL	16.26
33	35.99	LINALYL ACETATE	69.42
34	36.80	α -SANTALENE	0.05
35	36.94	epsilon-CADINENE	0.03
36	37.02	BORNYL ACETATE	0.03
37	37.35	EPOXY-LINALYL FORMATE	0.47
38	37.48	α -trans-BERGAMOTENE	0.02
39	37.71	β -ELEMENE	0.05
40	37.84	β -CUBEBENE	0.03
41	38.13	β -CARYOPHYLLENE	1.47
42		TERPINENE-4-OL	
43	38.62	LAVANDULYL ACETATE	0.24
44	39.52	ALIPHATIC ESTER	0.05
45	40.67	GERMACRENE A	0.01
46	41.91	ZONARENE	0.01
47	42.35	α -HUMULENE	0.30
48	42.66	SESQUITERPENE	0.05
49	43.85	α -TERPINEOL	1.50
50	43.97	BORNEOL	0.16
51	44.43	GERANYL FORMATE	0.06
52	44.75	GERMACRENE D	1.88
53	45.26	β -SELINENE	0.02
54	45.70	NERYL ACETATE	0.45
55	45.87	FARNESENE ISOMER	0.03
56	45.93	GERANIAL	0.01
57	46.12	BICYCLOGERMACRENE	0.21
58	46.67	ALIPHATIC ALCOHOL	0.03
59	47.19	E,E- α -FARNESENE	0.10
60	47.49	GERANYL ACETATE	0.89

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GCMS ANALYSIS (cont'd.)

PRODUCT NAME: CLARY SAGE ORGANIC ESSENTIAL OIL – 50066

Peak	RT (min)	Compound name	%
61	47.62	δ-CADINENE	0.04
62	47.70	γ-CADINENE	0.04
63	48.19	METHYL SALICYLATE	0.04
64	48.33	ALIPHATIC ESTER	0.02
65	48.41	DIHYDRO-AGAROFURAN ISOMER	0.01
66	49.78	NEROL	0.28
67	49.94	ALIPHATIC ESTER	0.03
68	50.22	cis-EPOXYLINALYL ACETATE	0.03
69	50.54	trans-EPOXYLINALYL ACETATE	0.02
70	51.06	3,5,7-OCTATRIENE-2-OL, E,E-2,6-DIMETHYL-	0.02
71	52.42	GERANIOL	0.72
72	56.52	AROMATIC ESTER	0.01
73	57.49	TERPENIC COMPOUND	0.02
74	58.58	ALIPHATIC ESTER	0.05
75	59.32	AROMATIC COMPOUND	0.05
76	59.71	TERPENIC OXIDE	0.08
77	59.80	CARYOPHYLLENE OXIDE	0.20
78	60.48	COMPOUND Mw=152	0.05
79	61.20	TERPENIC ALCOHOL	0.03
80	67.00	SPATHULENOL	0.07
81	69.31	T-CADINOL	0.08
82	69.46	DITERPENE	0.02
83	71.54	α-BISABOLOL	0.12
84	71.72	α-EUDESOL	0.01
85	72.10	β-EUDESOL	0.03
86	72.82	GERANYL-α-TERPINENE ISOMER	0.02
87	72.92	GERANYL-α-TERPINENE ISOMER	0.01
88	73.09	SCLAREOL OXIDE	0.06
89	73.78	AROMATIC COMPOUND	0.04
90	74.88	TERPENIC COMPOUND	0.02

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GCMS ANALYSIS (cont'd.)

PRODUCT NAME: CLARY SAGE ORGANIC ESSENTIAL OIL – 50066

Peak	RT (min)	Compound name	%
91	75.51	GERANYL-p-CYMENE	0.02
92	91.41	Epi-MANOOL	0.02
95	110.50	SCLAREOL	0.18
		TOTAL	100.00

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