

GCMS ANALYSIS

Product Name: Anise Star Essential Oil Date: May 4, 2018





Peak	RT (min)	Compound	%
1	4,4	ACETONE	0,01
2	4,6	FURAN,2-METHYL-	0,01
3	5,0	BUTANAL,2-METHYL	0,01
4	5,1	BUTANAL,3-METHYL	0,01
5	6,6	alpha-PINENE	0,97
6	6,7	alpha-THUYENE	0,02
7	7,3	alpha-FENCHENE	0,01
8	7,5	CAMPHENE	0,02
9	7,9	HEXANAL	0,01
10	8,6	beta-PINENE	0,07
11	8,7	DEHYDROXYLINALOOL OXIDE	0,01
12	9,0	SABINENE	0,06
13	10,0	delta3-CARENE	0,26
14	10,5	beta-MYRCENE	0,12
15	10,6	alpha-PHELLANDRENE	0,56
16	10,7	psi-LIMONENE	0,02
17	11,2	alpha-TERPINENE	0,08
18	12,0	LIMONENE	0,64
19	12,4	beta-PHELLANDRENE	0,64
20	13,3	FURAN, 2-PENTYL	0,01
21	13,6	Cis-beta-OCIMENE	0,02
22	13,9	TERPENE ISOMER	0,01
23	14,1	gamma-TERPINENE	0,10
24	14,4	Trans-beta-OCIMENE	0,02
25	14,8	STYRENE	0,01
26	15,3	p-CYMENE	0,11
27	15,9	TERPINOLENE	0,08
28	25,0	alpha-p-DIMETHYLSTYRENE	0,01
29	25,2	LINALOOL Cis-OXIDE	0,03
30	26,6	FURFURAL	0,01

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Peak	RT (min)	Compound	%
31	26,8	alpha-CUBEBENE	0,01
32	26,9	LINALOOL Trans-OXIDE	0,02
33	28,3	alpha-COPAENE	0,12
34	30,2	SESQUITERPENE	0,01
35	30,4	alpha-GURJUNENE	0,01
36	31,8	LINALOOL	1,96
37	32,6	METHYL FURFURAL	0,01
38	32,9	alpha,cis-BERGAMOTENE	0,09
39	33,9	alpha-trans-BERGAMOTENE	0,60
40	34,2	beta-ELEMENE	0,08
41	34,4	beta-CARYOPHYLLENE	0,58
42	35,0	TERPINENE-4-OL	0,22
43	35,2	AROMADENDRENE	0,04
44	35,5	METHYL BENZOATE	0,01
45	37,4	ALLO-AROMADENDRENE	0,01
46	37,8	Trans-PINOCARVEOL	0,01
47	37,9	E-beta-FARNESENE	0,06
48	38,8	METHYL CHAVICOL	6,03
49	38,9	alpha-HUMULENE	0,07
50	39,1	Z-beta-FARNESENE	0,02
51	39,7	FARNESENE ISOMER	0,01
52	39,9	gamma-MUUROLENE	0,01
53	40,2	SESQUITERPENE	0,01
54	40,5	alpha-TERPINEOL	0,07
55	40,7	SESQUITERPENE	0,19
56	41,7	beta-SELINENE	0,01
57	42,1	alpha-SELINENE	0,01
58	42,2	alpha-MUUROLENE	0,02
59	42,4	beta-BISABOLENE	0,12
60	42,6	BICYCLOGERMACRENE	0,11

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Peak	RT (min)	Compound	%
61	43,8	Cis-ANETHOL	0,12
62	43,9	delta-CADINENE	0,51
63	46,5	NEROL	0,01
64	46,7	SABINOL ISOMER	0,01
65	48,4	Trans-ANETHOL	81,71
66	49,1	GERANIOL	0,07
67	53,6	PALUSTROL	0,01
68	56,2	CARYOPHYLLENE EPOXYDE	0,01
69	57,1	SESQUITERPENOL	0,01
70	58,7	ANISALDEHYDE	0,59
71	59,5	NEROLIDOL	0,13
72	60,1	GLEENOL	0,02
73	60,5	CUBENOL	0,01
74	61,1	GLOBULOL	0,05
75	61,4	ELEMOL	0,02
76	61,5	SESQUITERPENOL	0,03
77	61,7	AROMATIC COMPOUND	0,03
78	62,0	COMPOUND Mw=166	0,01
79	62,1	FOENICULINE ISOMER	0,06
80	62,6	10-epi-gamma-EUDESMOL	0,01
81	63,1	ROSIFOLIOL	0,01
82	63,6	SPATHULENOL	0,03
83	64,0	AROMATIC COMPOUND	0,02
84	64,1	AROMATIC COMPOUND	0,01
85	64,9	ANICETONE	0,11
86	65,7	gamma-EUDESMOL	0,02
87	65,8	T-CADINOL	0,03
88	66,5	METHYL ISOEUGENOL	0,06
89	66,6	alpha-MUUROLOL	0,02
90	68,3	beta-EUDESMOL	0,01

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Peak	RT (min)	Compound	%
91	68,7	alpha-CADINOL	0,08
92	70,2	FOENICULINE	1,69
93	74,5	FARNESOL	0,02
		TOTAL	99,99

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