

GCMS ANALYSIS

PRODUCT NAME: Frankincense Serrata Essential Oil

Date: September 23,

PRODUCT ID: FRANKINCENSE-SERRATA-IN-HB

2024

Peak	Compound	RT	Area Sum %
1	Bornylene	7.676	0.02
2	(3Z)-Hexenol	8.19	0.15
3	alpha-Thujene	8.78	72.73
4	alpha-Pinene	8.939	5.88
5	unknown	9.489	0.67
6	Camphene	9.571	0.09
7	Thuja-2,4(10)-diene	9.914	0.02
8	m-Cymene	10.826	0.05
9	Sabinene	11.033	4.32
10	beta-Pinene	11.087	0.38
11	beta-Myrcene	12.257	0.67
12	alpha-Phellandrene	12.86	1.36
13	delta3-carene	13.216	3.33
14	alpha-Terpinene	13.673	0.5
15	p-Cymene isomer	14.082	0.06
16	p-Cymene	14.212	2.15
17	Limonene	14.463	2.1
18	(Z)-beta-Ocimene	15.417	0.29
19	unknown	15.909	0.03
20	(E)-beta-Ocimene	16.113	0.19
21	gamma-Terpinene	16.651	0.99
22	trans-Sabinene hydrate	17.216	0.09
23	cis-p-Mentha-2,8-dien-1-ol	17.609	0.02

24	alpha-Terpinolene	18.804	0.29
25	cis-Sabinene hydrate	19.527	0.07
26	Linalool	20.02	0.13
27	unknown	20.787	0.04
28	beta-Thujone	20.903	0.21
29	trans-p-2,8-Menthadien-1-ol	21.368	0.1
30	alpha-Campholenal	21.737	0.05
31	Allo-Ocimene	22.261	0.09
32	Pinocarveol, trans-(-)-	22.514	0.05
33	trans-p-Mentha-2-en-1-ol	22.839	0.08
34	trans-Verbenol	23.178	0.05
35	alpha-Phellandrene-8-ol analog	23.448	0.04
36	cis-Verbenol	24.512	0.03
37	Borneol	24.737	0.01
38	alpha-Phellandrene-8-ol	25.061	0.02
39	cis-Sabinol	25.222	0.06
40	Umbellulone	25.552	0.01
41	Terpinen-4-ol	25.737	0.64
42	unknown	26.461	0.02
43	p-Cymen-8-ol	26.637	0.03
44	alpha-Terpineol	26.972	0.05
45	unknown	27.452	0.02
46	Methyl chavicol	27.692	0.82
47	Verbenone	28.296	0.07
48	unknown	32.003	0.03
49	unknown	32.918	0.02
50	Bornyl acetate	34.885	0.02

51	alpha-Cubebene	39.976	0.01
52	alpha-Terpinyl acetate	40.222	0.03
53	alpha-Copaene	41.854	0.05
54	beta-Bourbonene	42.464	0.28
55	unknown	43.437	0.04
56	unknown	43.632	0.01
57	Methyleugenol	45.122	0.02
58	beta-Caryophyllene + beta-Ylangene	45.18	0.03
59	beta-Copaene	45.958	0.02
60	trans-alpha-Bergamotene	46.917	0.02
61	Isogermacrene D	47.154	0.03
62	Alloaromadendrene	48.639	0.01
63	unknown	48.747	0.02
64	gamma-Murolene + Germacrene D	50.044	0.05
65	unknown	50.115	0.06
66	alpha-Murolene	51.823	0.01
67	delta-Cadinene	53.367	0.06
68	alpha-Phellandrene dimer	65.643	0.02
69	m-Camphorene	67.592	0.01
70	Verticiol	68.109	0.01
71	Cembrenol	69.128	0.01
72	Cembrene	69.227	0.04
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	Total Identified		99.02%
	Total Reported		99.98%

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.