Client

NATURAL SOURCING
Cosmetic and Personal Care Ingredient Specialists
PROUDLY SERVING YOU FOR OVER 20 YEARS

Source

Chamomile, German (Chamomilla recutita)
GC1786

Sample

Chamomile, German (Chamomilla recutita)

Batch #:........... | GC1786

Type:............... | Essential Oil

CAS Number:... | 84082-60-0

Natural Sourcing LLC

Client

NATURAL SOURCING
Cosmetic and Personal Care Ingredient Specialists
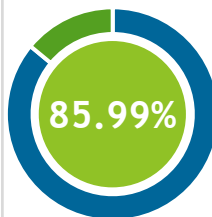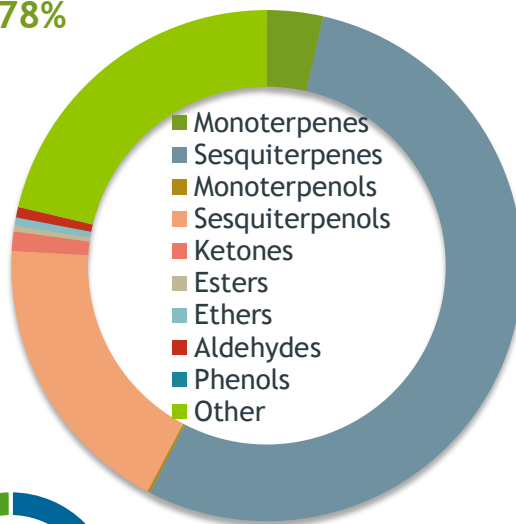PROUDLY SERVING YOU FOR OVER 20 YEARS

Website

Primary

27.22% (E)-beta-Farnesene

7.43% alpha-Bisabolol oxide B

7.28% (E,E)-alpha-Farnesene

Sesquiterpenes

53.78%

- Monoterpenes
- Sesquiterpenes
- Monoterpenols
- Sesquiterpenols
- Ketones
- Esters
- Ethers
- Aldehydes
- Phenols
- Other

85.99% **Percentage Identified**

Result

APPROVED

Conclusion

No adulterants, diluents, or contaminates were detected via this method. This oil meets the expected profile for genuine Essential Oil of Chamomile, German (Chamomilla recutita)

Internal Number: | EVS-4422

EVS Certified

Essential Validation Services

747 SW 2nd Ave IMB 12 Suite 306
Gainesville, Fl 32601

317.361.5044 |
https://essentialvalidationservices.com/

Monoterpenes		3.54%
Sesquiterpenes	53.78%	53.78%
Monoterpenols		0.17%
Sesquiterpenols	18.10%	18.10%
Ketones		1.21%
Esters		0.38%
Ethers		0.50%
Aldehydes		0.66%
Phenols		0.00%
Other	21.22%	21.22

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Total Percentage		85.99%		
Number	RT	Area %	Compound Name	Chemical Family
1	4.17	0.01%	Octane	Alkane
2	4.22	0.01%	Hexanal	Aliphatic Aldehyde
3	5.43	0.08%	2-Methylbutyric acid	Aliphatic Acid
4	5.57	0.01%	Ethyl isovalerate	Aliphatic Ester
5	7.01	0.01%	Nonane	Alkane
6	7.08	0.02%	Heptanal	Aliphatic Aldehyde
7	7.86	0.01%	5.78 Ethyl tiglate	0.00
8	8.17	0.08%	alpha-Pinene	Monoterpene
9	8.68	0.05%	Propyl2-methylbutyrate	Aliphatic Ester
10	9.72	0.03%	Sabinene	Monoterpene
11	10.10	0.01%	1-Octen-3-ol	Aliphatic Alcohol
12	10.27	0.09%	6-Methyl-5-hepten-2-one	Aliphatic Ketone
13	10.47	0.20%	2-Pentylfuran	Furan
14	10.76	0.04%	Yomogi alcohol	Aliphatic Alcohol
15	10.85	0.03%	trans-Isolimonene	Monoterpene
16	11.04	0.08%	Octanal	Aliphatic Aldehyde
17	11.91	0.13%	para-Cymene	Monoterpene
18	12.11	0.02%	Limonene	Monoterpene
19	12.22	0.08%	1,8-Cineole	Monoterpene Ether
20	12.50	0.39%	(Z)-beta-Ocimene	Monoterpene
21	12.96	2.75%	(E)-beta-Ocimene	Monoterpene
22	13.45	1.12%	Artemisia ketone	Monoterpene Ketone
23	14.46	0.10%	Artemisia alcohol	Monoterpenol
24	15.37	0.02%	Linalool	Monoterpenol
25	15.44	0.02%	Undecane	Alkane
26	15.59	0.19%	Nonanal	Aliphatic Aldehyde
27	16.67	0.09%	Alloocimene	Monoterpene
28	17.43	0.05%	3-Methylamyl methacrylate	Aliphatic Ester
29	18.38	0.16%	Artemisyl acetate	Monoterpene Ester
30	18.73	0.01%	1-Nonanol	Fatty alcohol
31	19.65	0.03%	Hexyl butyrate	Aliphatic Ester
32	20.06	0.01%	Dodecane	Alkane
33	20.27	0.05%	Decanal	Aliphatic Aldehyde
34	20.72	0.02%	beta-Cyclocitral	Monoterpene
35	21.38	0.04%	Citronellol	Monoterpenol

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Number	RT	Area %	Compound Name	Chemical Family
36	21.622	0.04%	cis-3-Hexenyl isovalerate	Monoterpenol
37	21.93	0.01%	Hexyl isovalerate	Monoterpene Ester
38	22.31	0.01%	3-Methylamyl angelate	Aliphatic Ester
39	23.11	0.05%	Geranial	Monoterpene Aldehyde
40	23.80	0.02%	Lavandulyl acetate	Monoterpene Ester
41	24.58	0.01%	Tridecane	Alkane
42	25.24	0.02%	(E,E)-2,4-Decadienal	Sesquiterpene Aldehyde
43	25.79	2.97%	delta-Elemene	Sesquiterpene
44	26.48	0.06%	alpha-Longipinene	Sesquiterpene
45	27.26	0.01%	(E)-2-Undecenal	Sesquiterpene Aldehyde
46	27.43	0.03%	Isoledene	Sesquiterpene
47	27.63	0.14%	alpha-Cubebene	Sesquiterpene
48	27.82	0.20%	Modheph-2-ene	Sesquiterpene
49	27.95	0.01%	beta-Bourbonene	Sesquiterpene
50	28.10	0.72%	alpha-Isocomene	Sesquiterpene
51	28.26	0.16%	beta-Elemene	Sesquiterpene
52	29.01	0.13%	24.94 Isocomene<beta->	0.00
53	29.41	0.67%	beta-Caryophyllene	Sesquiterpene
54	29.87	0.24%	beta-Gurjunene	Sesquiterpene
55	30.02	0.06%	alpha-Gurjunene	Sesquiterpene
56	30.21	0.64%	Aromadendrene	Sesquiterpene
57	30.73	0.19%	beta-Copaene	Sesquiterpene
58	30.90	0.07%	alpha-Humulene	Sesquiterpene
59	31.10	27.22%	(E)-beta-Farnesene	Sesquiterpene
60	31.50	0.13%	Dehydrosesquicineole	Sesquiterpene Ether
61	31.73	0.27%	Amorpha-4,11-diene	Sesquiterpene
62	31.78	0.19%	gamma-Muurolene	Sesquiterpene
63	31.99	4.94%	Germacrene D	Sesquiterpene
64	32.28	0.26%	beta-Selinene	Sesquiterpene
65	32.41	0.68%	Viridiflorene	Sesquiterpene
66	32.58	5.70%	Bicyclogermacrene	Sesquiterpene
67	32.89	0.19%	Nootkatene	Sesquiterpene
68	33.11	7.28%	(E,E)-alpha-Farnesene	Sesquiterpene
69	33.29	0.22%	gamma-Cadinene	Sesquiterpene
70	33.53	0.24%	beta-Cadinene	Sesquiterpene
71	33.77	0.43%	beta-Sesquiphellandrene	Sesquiterpene

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72	35.26	0.19%	(E)-Nerolidol	Sesquiterpenol
73	35.40	0.30%	31.35 Longipinanol<epi->	0.00
74	35.57	0.22%	Dendrolasin	Sesquiterpene Ether
75	35.71	1.64%	Spathulenol	Sesquiterpenol
76	35.88	0.07%	Caryophyllene oxide	Sesquiterpene Ether
77	36.36	0.08%	Viridiflorol	Sesquiterpenol
78	36.76	0.21%	Ledol	Sesquiterpenol
79	37.54	0.07%	Guaiol	Sesquiterpenol
80	38.22	0.13%	T-Cadinol	Sesquiterpenol
81	38.71	7.43%	alpha-Bisabolol oxide B	Sesquiterpenol
82	39.49	0.01%	Tetradecanol	Monoterpenol
83	39.65	4.76%	alpha-Bisabolone oxide	Sesquiterpenol
84	39.87	0.42%	alpha-Bisabolol	Sesquiterpenol
85	40.60	0.01%	Heptadecane	Alkane
86	41.05	0.21%	Pentadecanal	Sesquiterpene Aldehyde
87	41.28	2.27%	Chamazulene	Azulene
88	42.03	3.17%	alpha-Bisabolol oxide A	Sesquiterpenol
89	45.31	0.02%	Hexadecanal	Sesquiterpene Aldehyde
90	46.50	3.58%	cis-Spiro ether	Polyyne
91	46.95	0.54%	trans-Spiro ether	Polyyne
92	47.48	0.01%	Nonadecane	Alkane
93	53.75	0.01%	Heneicosane	Alkane
94	54.77	0.01%	Phytol	Diterpenol
95	58.44	0.09%	Tricosane	Alkane
96	59.44	0.02%	Tetracosane	Alkane
97	60.17	0.21%	Pentacosane	Alkane
98	61.28	0.06%	Heptacosane	Alkane

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