

Client



Source



Chamomile, German (Matricaria chamomilla)

UK-59370 - England

Sample

Chamomile, German (Matricaria)

Identification #: UK-59370

Type:..... Essential Oil

CAS Number:... 8002-66-2

Nature's Gift

Properties

Country Of Origin | England

Specific Gravity | NT

Refractive Index | NT

Primary

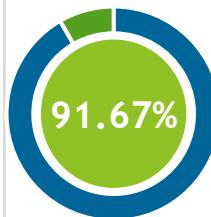
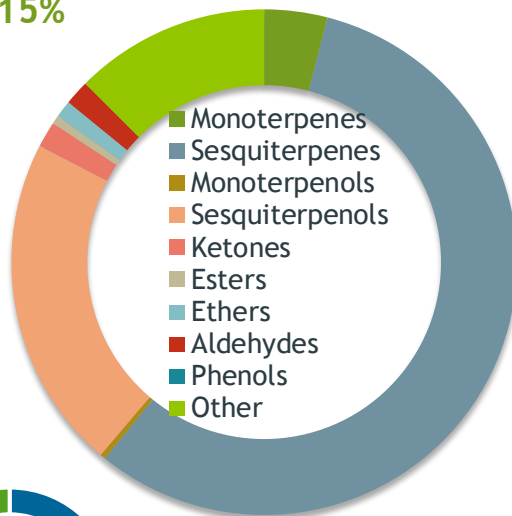
36.52% | (E)-beta-Farnesene

9.40% | alpha-Bisabolol oxide B

6.22% | (E,E)-alpha-Farnesene

Sesquiterpenes

56.15%



Percentage Identified

Result



1/3/2024

Conclusion

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

Internal Number: | EVS-5990



Essential Validation Services

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

317.361.5044 |
<https://essentialvalidationservices.com/>

Alan Christen

Monoterpenes	4	4.00%
Sesquiterpenes	56.15%	56.15
Monoterpenols		0.34%
Sesquiterpenols	21.16%	21.16%
Ketones		1.64%
Esters		0.53%
Ethers		1.09%
Aldehydes		1.57%
Phenols		0.00%
Other	12.37%	12.37

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Total Percentage		91.67%		
Number	RT	Area %	Compound Name	Chemical Family
1	3.67	0.01%	1-methyl-1,3-Cyclohexadiene	0.00
2	4.13	0.01%	1-Octene	Alkene
3	4.34	0.04%	Hexanal	Aliphatic Aldehyde
4	5.57	0.12%	2-Methylbutyric acid	Aliphatic Acid
5	5.71	0.01%	Ethyl isovalerate	Aliphatic Ester
6	6.20	0.01%	1-Hexanol	Aliphatic Alcohol
7	7.18	0.01%	Nonane	Alkane
8	7.24	0.04%	Heptanal	Aliphatic Aldehyde
9	8.01	0.01%	Artemisiatriene	Monoterpene
10	8.34	0.54%	alpha-Pinene	Monoterpene
11	8.85	0.06%	Propyl2-methylbutyrate	Aliphatic Ester
12	9.90	0.07%	Sabinene	Monoterpene
13	10.07	0.03%	beta-Pinene	Monoterpene
14	10.28	0.01%	1-Octen-3-ol	Aliphatic Alcohol
15	10.45	0.08%	6-Methyl-5-hepten-2-one	Aliphatic Ketone
16	10.66	0.33%	2-Pentylfuran	Furan
17	10.81	0.03%	Pseudolimonene	Monoterpene
18	10.93	0.11%	Yomogi alcohol	Aliphatic Alcohol
19	11.23	0.14%	Octanal	Aliphatic Aldehyde
20	12.10	0.15%	para-Cymene	Monoterpene
21	12.31	0.35%	Limonene	Monoterpene
22	12.40	0.14%	1,8-Cineole	Monoterpene Ether
23	12.68	0.30%	(Z)-beta-Ocimene	Monoterpene
24	13.14	1.99%	(E)-beta-Ocimene	Monoterpene
25	13.31	0.04%	Isobutyl angelate	Aliphatic Ester
26	13.43	0.01%	Bergamal	Aliphatic Aldehyde
27	13.64	1.56%	Artemisia ketone	Monoterpene Ketone
28	13.94	0.02%	Methallyl angelate	Aliphatic Ester
29	14.65	0.16%	Artemisia alcohol	Monoterpenol
30	14.84	0.46%	Terpinolene	Monoterpene
31	15.21	0.02%	1-Octanol	Aliphatic Alcohol
32	15.58	0.04%	Linalool	Monoterpenol
33	15.79	0.23%	Nonanal	Aliphatic Aldehyde
34	16.20	0.03%	beta-Fenchol	Monoterpenol
35	16.87	0.05%	Alloocimene	Monoterpene

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Number	RT	Area %	Compound Name	Chemical Family
36	17.31	0.03%	trans-Pinocarveol	Monoterpene
37	18.31	0.04%	(E)-2-Nonenal	Aliphatic Aldehyde
38	18.55	0.21%	Artemisyl acetate	Monoterpene Ester
39	18.93	0.02%	1-Nonanol	Fatty alcohol
40	19.18	0.01%	Terpinen-4-ol	Monoterpenol
41	19.85	0.03%	alpha-Terpineol	Monoterpenol
42	20.24	0.01%	Dodecane	Alkane
43	20.46	0.06%	Decanal	Aliphatic Aldehyde
44	20.92	0.02%	beta-Cyclocitral	Monoterpene
45	21.57	0.04%	Citronellol	Monoterpenol
46	21.81	0.02%	cis-3-Hexenyl isovalerate	Aliphatic Ester
47	22.48	0.12%	3-Methylamyl angelate	Aliphatic Ester
48	22.97	0.02%	(E)-2-Decenal	Monoterpene Aldehyde
49	23.29	0.06%	Geranial	Monoterpene Aldehyde
50	23.96	0.03%	Lavandulyl acetate	Monoterpene Ester
51	24.73	0.01%	Tridecane	Alkane
52	25.01	0.01%	Undecanal	Sesquiterpene Aldehyde
53	25.43	0.05%	(E,E)-2,4-Decadienal	Sesquiterpene Aldehyde
54	25.96	2.05%	delta-Elemene	Sesquiterpene
55	26.66	0.04%	alpha-Longipinene	Sesquiterpene
56	27.80	0.24%	alpha-Copaene	Sesquiterpene
57	27.99	0.09%	Modheph-2-ene	Sesquiterpene
58	28.11	0.02%	beta-Bourbonene	Sesquiterpene
59	28.27	0.42%	alpha-Isocomene	Sesquiterpene
60	28.42	0.16%	beta-Elemene	Sesquiterpene
61	29.04	0.06%	Tetradecane	Alkane
62	29.11	0.06%	alpha-Gurjunene	Sesquiterpene
63	29.58	0.54%	beta-Caryophyllene	Sesquiterpene
64	30.04	0.15%	beta-Copaene	Sesquiterpene
65	30.20	0.07%	Thujopsene	Sesquiterpene
66	30.37	0.08%	Aromadendrene	Sesquiterpene
67	30.89	0.11%	allo-Aromadendrene	Sesquiterpene
68	31.26	36.52%	(E)-beta-Farnesene	Sesquiterpene
69	31.65	0.14%	Dehydrosesquicineole	Sesquiterpene Ether
70	31.89	0.32%	Amorpha-4,11-diene	Sesquiterpene

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72	32.45	0.43%	beta-Selinene	Sesquiterpene
73	32.74	4.14%	Bicyclogermacrene	Sesquiterpene
74	33.05	0.13%	Nootkatene	Sesquiterpene
75	33.25	6.22%	(E,E)-alpha-Farnesene	Sesquiterpene
76	33.44	0.06%	gamma-Cadinene	Sesquiterpene
77	33.50	0.09%	Tridecanal	Sesquiterpene Aldehyde
78	33.68	0.14%	delta-Cadinene	Sesquiterpene
79	35.04	0.05%	Longipinanol	Sesquiterpenol
80	35.34	0.43%	UK	
81	35.40	0.28%	(E)-Nerolidol	Sesquiterpenol
82	35.71	0.28%	Dendrolasin	Sesquiterpene Ether
83	35.87	1.18%	Spathulenol	Sesquiterpenol
84	36.15	0.53%	Caryophyllene oxide	Sesquiterpene Ether
85	36.92	0.08%	Viridiflorol	Sesquiterpenol
86	37.09	0.02%	Geranyl isovalerate	Aliphatic Ester
87	37.41	0.50%	32.73 Fokienol	0.00
88	37.69	0.07%	Guaiol	Sesquiterpenol
89	37.92	0.34%	UK	
90	38.11	1.67%	UK	
91	38.37	0.08%	T-Cadinol	Sesquiterpenol
92	38.86	9.40%	alpha-Bisabolol oxide B	Sesquiterpenol
93	39.81	5.93%	alpha-Bisabolone oxide	Sesquiterpenol
94	40.01	0.45%	alpha-Bisabolol	Sesquiterpenol
95	40.33	0.01%	(Z,Z)-Farnesol	Sesquiterpenol
96	41.18	0.76%	Pentadecanal	Sesquiterpene Aldehyde
97	41.46	2.32%	Chamazulene	Azulene
98	42.18	3.63%	alpha-Bisabolol oxide A	Sesquiterpenol
99	44.74	0.02%	Hexadecanal	Sesquiterpene Aldehyde
100	45.56	0.64%	UK	
101	46.62	1.23%	cis-Spiro ether	Polyne
102	47.57	0.01%	Nonadecane	Alkane
103	53.85	0.06%	Heneicosane	Alkane
104	54.02	0.08%	Phytol	Diterpenol
105	58.48	0.07%	Tricosane	Alkane
106	59.47	0.02%	Tetracosane	Alkane
107	60.20	0.17%	Pentacosane	Alkane
108	61.31	0.04%	Heptacosane	Alkane