

Client



Source



Cape Chamomile (*Eriocephalus punctulatus*)
ZA-59320

Sample

Cape Chamomile (*Eriocephalus punctulatus*)

Batch #:..... ZA-59320

Type:..... Essential Oil

CAS Number:... 68916-49-4

Nature's Gift

Client



Website

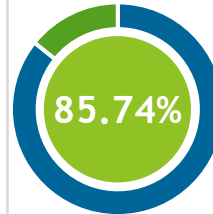
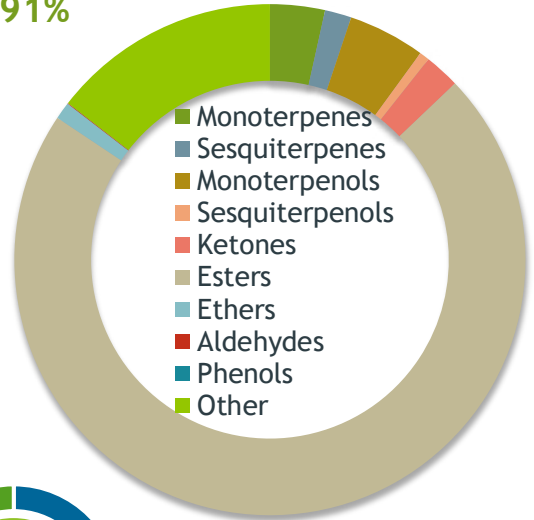


Primary

26.66% 2-Methylbutyl
14.31% Isobutyl isobutyrate
6.85% 2-Methylbutyl 2-

Esters

70.91%



Percentage Identified

Result



Conclusion

No adulterants, diluents, or contaminants were detected via this method. This oil meets the expected profile for genuine Essential Oil of Cape Chamomile (*Eriocephalus punctulatus*)

Internal Number: | EVS-5517



Essential Validation Services

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

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

Alan Christen

Monoterpenes	3.44%
Sesquiterpenes	1.67%
Monoterpenols	4.83%
Sesquiterpenols	0.63%
Ketones	2.22%
Esters	70.91%
Ethers	1.08%
Aldehydes	0.04%
Phenols	0.00%
Other	14.39%

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Total Percentage		85.74%		
Number	RT	Area %	Compound Name	Chemical Family
1	3.80	0.25%	2-Hexanone	Aliphatic Ketone
2	4.37	0.02%	Hexanal	Aliphatic Aldehyde
3	5.59	0.02%	2-Methylbutyric acid	Aliphatic Acid
4	5.79	0.10%	Propyl isobutyrate	Aliphatic Ester
5	6.44	0.07%	Isoamyl acetate	Aliphatic Ester
6	6.49	0.95%	2-Methylbutyl acetate	Aliphatic Ester
7	7.29	0.01%	2-Heptanol	Aliphatic Alcohol
8	7.72	14.31%	Isobutyl isobutyrate	Aliphatic Ester
9	7.96	0.03%	Tricyclene	Monoterpene
10	8.07	0.07%	5.78 Ethyl tiglate	0.00
11	8.12	0.04%	alpha-Thujene	Monoterpene
12	8.38	0.67%	alpha-Pinene	Monoterpene
13	8.63	0.15%	Isobutyl methacrylate	Aliphatic Ester
14	8.88	0.01%	Propyl 2-methylbutyrate	Aliphatic Ester
15	8.99	0.47%	Camphene	Monoterpene
16	9.18	0.02%	Isobutyl butyrate	Aliphatic Ester
17	9.94	0.62%	Isoamyl propionate	Aliphatic Ester
18	10.11	0.16%	beta-Pinene	Monoterpene
19	10.69	0.52%	trans-Dehydroxy linalool oxide	Monoterpene Ether
20	11.24	2.42%	Isobutyl 2-methylbutyrate	Aliphatic Ester
21	11.33	0.48%	cis-Dehydroxylinalool oxide	Monoterpenol
22	11.44	0.80%	Isobutyl isovalerate	Aliphatic Ester
23	11.69	3.35%	Isoamyl isobutyrate	Aliphatic Ester
24	11.85	26.66%	2-Methylbutyl isobutyrate	Aliphatic Ester
25	12.16	0.75%	para-Cymene	Monoterpene
26	12.36	0.24%	Limonene	Monoterpene
27	12.46	0.30%	1,8-Cineole	Monoterpene Ether
28	12.72	0.03%	(Z)-beta-Ocimene	Monoterpene
29	12.88	0.16%	9.19 Heptyl acetate <2->	Monoterpene Ester
30	12.97	0.22%	Isoamyl methacrylate	Aliphatic Ester
31	13.19	0.04%	(E)-beta-Ocimene	Monoterpene
32	13.35	1.37%	Isobutyl angelate	Aliphatic Ester
33	13.50	1.71%	Uk Chamomile	
34	13.67	0.78%	gamma-Terpinene	Monoterpene
35	14.14	0.80%	Uk Chamomile	

ESSENTIAL VALIDATION SERVICES | 747 SW 2ND AVE GAINESVILLE, FLORIDA 32601 | 317-361-5044

- Essential Oil testing is performed by using qualitative GC-MS. Method: SOP.T.01 Client Method
 - This report may not be published without the consent of Essential Validation Services.
 - Chromatograph image may be requested
 - This report is valid for 1 year from the analyzed date

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Number	RT	Area %	Compound Name	Chemical Family
36	14.181	0.71%	trans-Sabinene hydrate	
37	14.68	0.94%	Isobutyl tiglate	Aliphatic Ester
38	14.89	0.16%	Terpinolene	Monoterpene
39	15.62	1.88%	Isopentyl 2-methylbutyrate	Aliphatic Ester
40	15.77	6.85%	2-Methylbutyl 2-methylbutyrate	Aliphatic Ester
41	15.93	0.13%	Isoamyl isovalerate	Aliphatic Ester
42	16.02	1.00%	2-Methyl Butyl Isovalerate	Monoterpene Ester
43	16.55	0.04%	trans-para-Mentha-2,8-dien-1-ol	Monoterpenol
44	16.66	0.14%	trans-para-Menth-2-en-1-ol	Monoterpenol
45	16.76	0.02%	alpha-Campholene aldehyde	Monoterpene Aldehyde
46	17.22	0.02%	cis-para-Mentha-2,8-dien-1-ol	Monoterpenol
47	17.34	0.59%	13.59 Ethyl hexyl acetate<2->	0.00
48	17.61	1.60%	Camphor	Monoterpene Ketone
49	17.99	2.36%	Isoamyl angelate	Aliphatic Ester
50	18.20	0.09%	trans-Limonene oxide	Monoterpene Ether
51	18.35	0.05%	Pinocarvone	Monoterpene Ketone
52	18.58	0.06%	Isopulegol	Monoterpenol
53	18.81	1.30%	Borneol	Monoterpenol
54	19.23	1.68%	Terpinen-4-ol	Monoterpenol
55	19.50	1.19%	Uk Chamomile	
56	19.92	0.37%	alpha-Terpineol	Monoterpenol
57	20.17	4.02%	Octanol acetate	
58	20.61	0.07%	beta-Cyclocitral	Monoterpene
59	21.49	0.02%	cis-para-Mentha-1(7),8-dien-2-ol	Monoterpenol
60	22.48	4.19%	Linalyl acetate	Monoterpene Ester
61	23.91	0.07%	Bornyl acetate	Monoterpene Ester
62	24.81	0.01%	Ascaridole	Monoterpenol
63	26.00	0.06%	delta-Elemene	Sesquiterpene
64	27.25	0.15%	Neryl acetate	Monoterpene Ester
65	27.85	0.83%	alpha-Copaene	Sesquiterpene
66	28.09	0.18%	Geranyl acetate	Monoterpene Ester
67	28.47	0.29%	beta-Elemene	Sesquiterpene
68	28.56	0.74%	Uk Chamomile	
69	28.74	0.03%	1-Tetradecene	Alkene
70	29.24	0.04%	24.57 Decenyl acetate<9->	0.00
71	29.64	0.24%	beta-Caryophyllene	Sesquiterpene

ESSENTIAL VALIDATION SERVICES | 74 / SW 2ND AVE GAINESVILLE, FLORIDA 32601 | 351-301-3044

