



Client



Source



Cape Chamomile (*Eriocephalus punctulatus*)  
ZA-59271

Sample

Cape Chamomile (*Eriocephalus punctulatus*)  
Batch #:..... ZA-59271  
Type:..... Essential Oil  
CAS Number:... 68916-49-4  
**Nature's Gift**

Client



Website

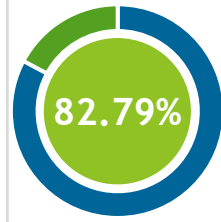
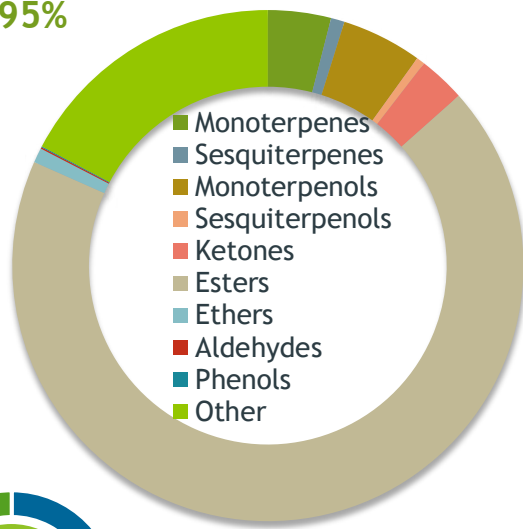


Primary

**25.73%** | **2-Methylbutyl**  
**14.64%** | **Isobutyl isobutyrate**  
**5.09%** | **2-Methylbutyl 2-**

**Esters**

67.95%



**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-5231



**Essential Validation Services**

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

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

*Alan Christen*

Monoterpenes	3.97%
Sesquiterpenes	0.86%
Monoterpenols	5.07%
Sesquiterpenols	0.53%
Ketones	2.95%
Esters	67.95%
Ethers	0.93%
Aldehydes	0.09%
Phenols	0.06%
Other	17.21%

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Total Percentage		82.79%		
Number	RT	Area %	Compound Name	Chemical Family
1	4.10	0.01%	Hexanal	Aliphatic Aldehyde
2	5.48	0.02%	Propyl isobutyrate	Aliphatic Ester
3	6.09	0.06%	Isoamyl acetate	Aliphatic Ester
4	6.15	0.73%	2-Methylbutyl acetate	Aliphatic Ester
5	7.38	14.64%	Isobutyl isobutyrate	Aliphatic Ester
6	7.57	0.05%	Tricyclene	Monoterpene
7	7.73	0.01%	alpha-Thujene	Monoterpene
8	7.97	0.71%	alpha-Pinene	Monoterpene
9	8.23	0.34%	Isobutyl methacrylate	Aliphatic Ester
10	8.57	0.71%	Camphene	Monoterpene
11	9.45	0.07%	1-Octen-3-one	Aliphatic Ketone
12	9.53	0.50%	Isoamyl propionate	Aliphatic Ester
13	9.67	0.17%	beta-Pinene	Monoterpene
14	10.26	0.41%	trans-Dehydroxy linalool oxide	Monoterpene Ether
15	10.82	2.01%	Isobutyl 2-methylbutyrate	Aliphatic Ester
16	10.90	0.49%	cis-Dehydroxylinalool oxide	Monoterpenol
17	11.28	4.04%	Isoamyl isobutyrate	Aliphatic Ester
18	11.50	25.73%	2-Methylbutyl isobutyrate	Aliphatic Ester
19	11.74	1.55%	para-Cymene	Monoterpene
20	11.92	0.17%	Limonene	Monoterpene
21	12.01	0.30%	1,8-Cineole	Monoterpene Ether
22	12.29	0.01%	(Z)-beta-Ocimene	Monoterpene
23	12.44	0.24%	9.19 Heptyl acetate <2->	Monoterpene Ester
24	12.52	0.40%	Isoamyl methacrylate	Aliphatic Ester
25	12.73	0.01%	(E)-beta-Ocimene	Monoterpene
26	12.91	2.05%	Isobutyl angelate	Aliphatic Ester
27	13.21	0.46%	gamma-Terpinene	Monoterpene
28	13.53	0.01%	Methallyl angelate	Aliphatic Ester
29	14.22	1.18%	Isobutyl tiglate	Aliphatic Ester
30	14.42	0.10%	Terpinolene	Monoterpene
31	14.63	0.02%	para-Cymenene	Monoterpene
32	15.17	1.40%	Isopentyl 2-methylbutyrate	Aliphatic Ester
33	15.33	5.09%	2-Methylbutyl 2-methylbutyrate	Aliphatic Ester
34	15.47	0.18%	Isoamyl isovalerate	Aliphatic Ester
35	15.57	1.65%	2-Methyl Butyl Isovalerate	Monoterpene Ester

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Number	RT	Area %	Compound Name	Chemical Family
36	15.725	0.02%	3-Methylamyl isobutyrate	Monoterpene Ester
37	16.08	0.03%	trans-para-Mentha-2,8-dien-1-ol	Monoterpenol
38	16.18	0.21%	cis-para-Menth-2-en-1-ol	Monoterpenol
39	16.27	0.03%	alpha-Campholene aldehyde	Monoterpene Aldehyde
40	16.75	0.03%	cis-para-Mentha-2,8-dien-1-ol	Monoterpenol
41	16.88	0.38%	13.59 Ethyl hexyl acetate<2->	0.00
42	17.02	0.14%	trans-para-Menth-2-en-1-ol	Monoterpenol
43	17.13	2.46%	Camphor	Monoterpene Ketone
44	17.35	0.32%	Isoamyl angelate	Aliphatic Ester
45	17.54	3.01%	Isoamyl tiglate	Aliphatic Ester
46	17.75	0.11%	Isopulegol	Monoterpenol
47	17.85	0.09%	Pinocarvone	Monoterpene Ketone
48	18.35	2.43%	Borneol	Monoterpenol
49	18.47	0.02%	Pinocamphone	Monoterpene Ketone
50	18.75	1.40%	Terpinen-4-ol	Monoterpenol
51	19.37	0.05%	Myrtenal	Monoterpene Aldehyde
52	19.74	4.48%	Octanol acetate	
53	20.12	0.13%	cis-Piperitol	Monoterpenol
54	20.88	0.02%	Bornyl formate	Monoterpene Ester
55	21.00	0.03%	cis-para-Mentha-1(7),8-dien-2-ol	Monoterpenol
56	21.61	0.02%	Carvone	Monoterpene Ketone
57	22.03	1.79%	Linalyl acetate	Monoterpene Ester
58	22.99	0.01%	trans-Ascaridol glycol	Monoterpenol
59	23.43	0.30%	Bornyl acetate	Monoterpene Ester
60	24.30	0.06%	Ascaridole	Monoterpenol
61	25.52	0.02%	delta-Elemene	Sesquiterpene
62	26.40	0.02%	Eugenol	Phenylpropanoid
63	26.79	0.03%	Neryl acetate	Monoterpene Ester
64	27.21	0.07%	Longicyclene	Sesquiterpene
65	27.37	0.49%	alpha-Copaene	Sesquiterpene
66	27.64	0.07%	Geranyl acetate	Monoterpene Ester
67	28.53	0.04%	Methyl eugenol	Phenylpropanoid
68	29.16	0.11%	beta-Caryophyllene	Sesquiterpene
69	31.49	0.05%	gamma-Muurolene	Sesquiterpene
70	31.99	0.05%	beta-Selinene	Sesquiterpene
71	32.29	0.05%	gamma-Gurjunene	Sesquiterpene

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- 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

