

Client



Source



Organic *Helichrysum Italicum* (*Helichrysum Italicum*)
B490097

Sample

Organic *Helichrysum Italicum* (*Helichrysum*

Batch #:..... B490097

Type:..... Essential Oil

CAS Number:... 90045-56-0

Natural Sourcing LLC

Client



Website



Primary

32.52%

Neryl acetate

7.34%

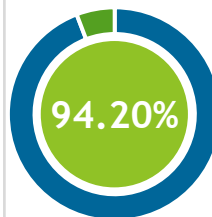
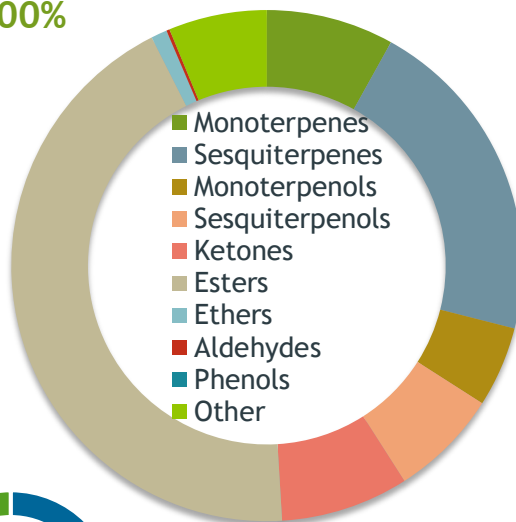
gamma-Curcumene

6.80%

ar-Curcumene

Esters

43.00%



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 Organic *Helichrysum Italicum* (*Helichrysum Italicum*)

Internal Number: | EVS-4320



Essential Validation Services

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

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

Alan Christen

Monoterpenes	7.98	7.98%
Sesquiterpenes	20.64%	20.64%
Monoterpenols	5.	5.03%
Sesquiterpenols	6.8	6.82%
Ketones	8.00	8.00%
Esters	43.00%	43.00
Ethers		1.00%
Aldehydes		0.20%
Phenols		0.00%
Other	6.1	6.15%

- Essential Oil testing is performed by using qualitative GC-MS. Method: SOP.T.01 Client Method
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 - Chromatograph image may be requested
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NATURAL SOURCING
 Cosmetic and Personal Care Ingredient Specialists
 PROUDLY SERVING YOU FOR OVER 30 YEARS

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Total Percentage		94.20%		
Number	RT	Area %	Compound Name	Chemical Family
1	4.21	0.21%	3.20 Octene<4E->	0.00
2	7.03	0.01%	Nonane	Alkane
3	7.14	0.04%	Bornylene	Monoterpene
4	8.18	1.64%	alpha-Pinene	Monoterpene
5	8.73	0.48%	alpha-Fenchene	Monoterpene
6	8.78	0.12%	Camphene	Monoterpene
7	9.89	0.46%	beta-Pinene	Monoterpene
8	10.29	0.01%	6-Methyl-5-hepten-2-one	Aliphatic Ketone
9	10.49	0.12%	trans-Dehydroxy linalool oxide	Monoterpene Ether
10	10.96	0.01%	Decane	Alkane
11	11.04	0.09%	Isobutyl 2-methylbutyrate	Aliphatic Ester
12	11.12	0.04%	cis-Dehydroxylinalool oxide	Monoterpenol
13	11.60	0.05%	2-Carene	Monoterpene
14	11.74	0.02%	para-Cresyl methyl ether	Monoterpene Ether
15	11.93	0.21%	para-Cymene	Monoterpene
16	12.14	3.72%	Limonene	Monoterpene
17	12.23	0.71%	1,8-Cineole	Monoterpene Ether
18	12.51	0.01%	(Z)-beta-Ocimene	Monoterpene
19	12.97	0.07%	(E)-beta-Ocimene	Monoterpene
20	13.14	0.19%	Isobutyl angelate	Aliphatic Ester
21	13.44	0.36%	gamma-Terpinene	Monoterpene
22	14.67	0.08%	Terpinolene	Monoterpene
23	14.97	0.51%	2-Nonanone	Monoterpene Ketone
24	15.40	2.03%	Linalool	Monoterpenol
25	15.55	0.34%	2-Methylbutyl 2-methylbutyrate	Aliphatic Ester
26	15.81	0.01%	2-Methyl Butyl Isovalerate	Monoterpene Ester
27	16.17	0.04%	Fenchol	Monoterpenol
28	17.12	0.02%	trans-Pinocarveol	Monoterpenol
29	17.77	1.05%	Isoamyl angelate	Aliphatic Ester
30	18.35	0.04%	Isoamyl tiglate	Aliphatic Ester
31	18.58	0.03%	Borneol	Monoterpenol
32	19.00	0.21%	Terpinen-4-ol	Monoterpenol
33	19.12	0.40%	4,6-Dimethyl-3,5- octanedione	beta-Diketone
34	19.68	0.37%	alpha-Terpineol	Monoterpenol
35	20.08	0.03%	Dodecane	Alkane

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Number	RT	Area %	Compound Name	Chemical Family
36	20.292	0.05%	Decanal	Alkane
37	21.11	2.26%	Nerol	Monoterpenol
38	21.67	0.02%	Citral	Monoterpene Aldehyde
39	22.79	0.01%	(E)-2-Decenal	Monoterpene Aldehyde
40	23.04	0.01%	Geranial	Monoterpene Aldehyde
41	23.45	0.03%	trans-Myrtanol	Monoterpenol
42	24.18	0.17%	2-Undecanone	Aliphatic Ketone
43	24.60	0.13%	Tridecane	Alkane
44	24.85	0.02%	Undecanal	Sesquiterpene Aldehyde
45	26.46	0.02%	alpha-Terpinyl acetate	Monoterpene Ester
46	27.17	32.52%	Neryl acetate	Monoterpene Ester
47	27.31	0.01%	(E)-2-Undecenal	Sesquiterpene Aldehyde
48	27.69	0.82%	2-epi-alpha-Funebrene	Sesquiterpene
49	27.91	0.07%	Geranyl acetate	Monoterpene Ester
50	28.16	0.30%	cis-Caryyl acetate	Monoterpene Ester
51	28.89	3.07%	Italicene	Sesquiterpene
52	29.30	0.84%	cis-alpha-Bergamotene	Sesquiterpene
53	29.45	0.17%	Isocaryophyllene	Sesquiterpene
54	30.13	3.35%	Italidione I	beta-Diketone
55	30.85	6.32%	Neryl propionate	Monoterpene Ester
56	31.02	0.11%	(E)-beta-Farnesene	Sesquiterpene
57	31.13	0.14%	alpha-Himachalene	Sesquiterpene
58	31.29	0.29%	alpha-Acoradiene	Sesquiterpene
59	31.44	0.34%	beta-Acoradiene	Sesquiterpene
60	31.72	0.02%	Geranyl propionate	Monoterpene Ester
61	31.85	1.87%	Italidione isomer	beta-Diketone
62	31.99	7.34%	gamma-Curcumene	Sesquiterpene
63	32.11	6.80%	ar-Curcumene	Sesquiterpene
64	32.31	0.46%	Italidione II	beta-Diketone
65	32.61	0.16%	alpha-Selinene	Sesquiterpene
66	32.67	0.14%	alpha-Zingiberene	Sesquiterpene
67	32.89	0.15%	beta-Dihydroagarofuran	Sesquiterpene Ether
68	33.18	0.12%	beta-Bisabolene	Sesquiterpene
69	33.26	0.74%	beta-Curcumene	Monoterpene
70	33.46	0.04%	Italidione II isomer	beta-Diketone
71	33.55	0.10%	delta-Cadinene	Sesquiterpene

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