

Client



Source



Rosemary Cineole (*Rosmarinus officinalis*)
16924-M2

Sample

Rosemary Cineole (*Rosmarinus officinalis*)

Batch #:..... 16924-M2

Type:..... Essential Oil

CAS Number:... 8000-25-7

Natural Sourcing LLC

Client



Website



Primary

38.05%

1,8-Cineole

11.86%

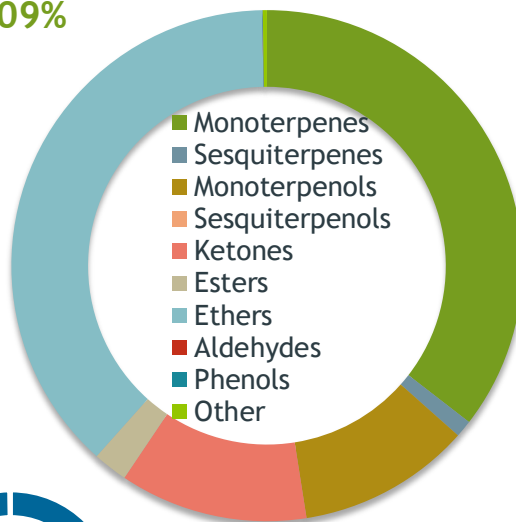
Camphor

10.93%

alpha-Pinene

Ethers

38.09%



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 Rosemary Cineole (*Rosmarinus officinalis*)

Internal Number: | EVS-4728



Essential Validation Services

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

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

Alan Chastain

Monoterpenes	35.48%	35.48%
Sesquiterpenes	1.08%	1.08%
Monoterpenols	10.96%	10.96%
Sesquiterpenols	0.00%	0.00%
Ketones	11.90%	11.90%
Esters	2.19%	2.19%
Ethers	38.09%	38.09%
Aldehydes	0.01%	0.01%
Phenols	0.03%	0.03%
Other	0.26%	0.26%

- 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 - This report may not be published without the consent of Essential Validation Services.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

Client



NATURAL SOURCING
Cosmetic and Personal Care Ingredient Specialists
PROUDLY SERVING YOU FOR OVER 30 YEARS

Source



Rosemary Cineole (*Rosmarinus officinalis*)

16924-M2

Total Percentage		99.80%		
Number	RT	Area %	Compound Name	Chemical Family
1	7.63	0.01%	Hashishene	Monoterpene
2	7.72	0.07%	Tricyclene	Monoterpene
3	7.89	0.07%	alpha-Thujene	Monoterpene
4	8.17	10.93%	alpha-Pinene	Monoterpene
5	8.35	0.01%	alpha-Fenchene	Monoterpene
6	8.75	6.66%	Camphene	Monoterpene
7	8.90	0.02%	Thuja-2,4(10)-diene	Monoterpene
8	9.69	0.07%	Sabinene	Monoterpene
9	9.87	7.47%	beta-Pinene	Monoterpene
10	10.12	0.06%	1-Octen-3-ol	Aliphatic Alcohol
11	10.44	2.36%	Myrcene	Monoterpene
12	10.97	0.12%	Pseudolimonene	Monoterpene
13	11.07	0.37%	alpha-Phellandrene	Monoterpene
14	11.18	0.18%	delta-3-Carene	Monoterpene
15	11.55	0.16%	alpha-Terpinene	Monoterpene
16	11.89	1.45%	ortho-Cymene	Monoterpene
17	11.94	2.52%	para-Cymene	Monoterpene
18	12.09	1.77%	Limonene	Monoterpene
19	12.33	38.05%	1,8-Cineole	Monoterpene Ether
20	12.48	0.14%	(Z)-beta-Ocimene	Monoterpene
21	12.93	0.04%	(E)-beta-Ocimene	Monoterpene
22	13.40	0.95%	gamma-Terpinene	Monoterpene
23	13.92	0.02%	trans-Sabinene hydrate	Monoterpenol
24	14.61	0.07%	Terpinolene	Monoterpene
25	14.82	0.02%	para-Cymenene	Monoterpene
26	15.16	0.01%	alpha-Pinene oxide	Monoterpene Ether
27	15.35	0.24%	Linalool	Monoterpenol
28	16.14	0.02%	Fenchol	Monoterpenol
29	16.38	0.01%	cis-para-Menth-2-en-1-ol	Monoterpenol
30	16.47	0.01%	alpha-Campholene aldehyde	Monoterpene Aldehyde
31	16.65	0.02%	Alloocimene	Monoterpene
32	17.12	0.03%	trans-Pinocarveol	Monoterpenol
33	17.40	11.86%	Camphor	Monoterpene Ketone
34	17.71	0.02%	Camphene hydrate	Monoterpenol
35	18.11	0.10%	Isoborneol	Monoterpenol

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

Essential Validation Services

11/16/2021

Client



Source



Rosemary Cineole (*Rosmarinus officinalis*)
16924-M2

Number	RT	Area %	Compound Name	Chemical Family
36	18.58	6.24%	Borneol	Monoterpenol
37	18.94	0.30%	Terpinen-4-ol	Monoterpenol
38	19.29	0.01%	para-Cymen-8-ol	Monoterpenol
39	19.67	3.93%	alpha-Terpineol	Monoterpenol
40	19.78	0.02%	Methyl chavicol	Phenylpropanoid
41	21.81	0.04%	Carvone	Monoterpene Ketone
42	22.23	0.03%	Linalyl acetate	Monoterpene Ester
43	23.65	2.16%	Bornyl acetate	Monoterpene Ester
44	24.40	0.04%	Carvacrol	Monoterpenol
45	26.39	0.01%	delta-Elemene	Sesquiterpene
46	27.31	0.01%	alpha-Ylangene	Sesquiterpene
47	27.58	0.06%	alpha-Copaene	Sesquiterpene
48	28.73	0.01%	Methyl eugenol	Phenylpropanoid
49	28.89	0.01%	alpha-Gurjunene	Sesquiterpene
50	29.38	0.63%	beta-Caryophyllene	Sesquiterpene
51	29.82	0.01%	beta-Gurjunene	Sesquiterpene
52	30.16	0.06%	Aromadendrene	Sesquiterpene
53	30.85	0.07%	alpha-Humulene	Sesquiterpene
54	31.03	0.01%	allo-Aromadendrene	Sesquiterpene
55	31.71	0.04%	gamma-Muurolene	Sesquiterpene
56	32.20	0.01%	beta-Selinene	Sesquiterpene
57	32.34	0.01%	Viridiflorene	Sesquiterpene
58	32.52	0.01%	alpha-Selinene	Sesquiterpene
59	32.69	0.01%	alpha-Muurolene	Sesquiterpene
60	33.11	0.01%	beta-Bisabolene	Sesquiterpene
61	33.23	0.03%	gamma-Cadinene	Sesquiterpene
62	33.48	0.09%	delta-Cadinene	Sesquiterpene
63	35.82	0.03%	Caryophyllene oxide	Sesquiterpene Ether

ESSENTIAL VALIDATION SERVICES | 141 SW 2ND AVE GAINESVILLE, FLORIDA 32601 | 352-351-5044