



316 Old Hickory Blvd East, Madison, TN 37115

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Balancing Body, Mind and Spirit with Pure Essential Oils

Since 1995

www.naturesgift.com

Rosemary ct Cineole

Rosmarinus officinalis ct cineole

Batch No. TN-59269

Tunisia

Monoterpenes 23.81%

α pinene	9.63
β pinene	4.68
camphene	3.67
myrcene	1.59
ortho-cymene	0.94
γ terpinene	0.81
para-cymene	0.63
α terpinene	0.61
terpinolene	0.36
α phellandrene	0.22
tricyclene	0.14
α thujene	0.13
(Z) β ocimene	0.11
para cymenene	0.07
sabinene	0.05
δ 3 carene	0.04
pseudolimonene	0.04
thuja-2,4(10)-diene	0.03
(E) β ocimene	0.02
allo ocimene	0.02
hashishene	0.01
bornylene	0.01

Aldehydes 0.15%

α campholene aldehyde	0.07
nonanal	0.02
hexanal	0.02
(E)2 hexenal	0.02
decanal	0.02

Esters 0.75%

bornyl acetate	0.72
bornyl formate	0.03

Monoterpenols 12.37%

borneol	5.36
α terpineol	3.73
linalool	1.55
terpinen-4-ol	1.08
neo-isopulegol	0.14
isopulegol	0.11
fenchol	0.08
trans-sabinene hydrate	0.08
camphene hydrate	0.06
para cymen 8-ol	0.06
citronellol	0.04
carvacrol	0.03
hotrienol	0.02
thymol	0.02
(Z) carveol	0.01

Ethers 38.83%

1,8 cineole	38.63
caryophyllene oxide	0.15
bornyl formate	0.03
humulene epoxide II	0.02

Ketones 15.66%

camphor	15.54
pinocarvone	0.06
verbenone	0.04
nopinone	0.02

Sesquiterpenes 6.4%

β caryophyllene	5.16
α humulene	0.70
β bisabolene	0.18
(Z) caryophyllene	0.07
δ cadinene	0.04
α copaene	0.03
γ muurolene	0.03
α ylangene	0.03
α guaiane	0.03
β sesquiphellandrene	0.02
(E) α bergamotene	0.02
α amorphene	0.02
ar-curcumene	0.02
γ cadinene	0.01
α muurolene	0.01
α selinene	0.01
β selinene	0.01
valencene	0.01

Phenols 0.01%

eugenol	0.01
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Other 0.39%

1-octen-3-ol	0.36
(Z) hex-3-en-1-ol	0.02
1 hexanol	0.01

Client



Source



Rosemary Cineole (*Rosmarinus officinalis*)
TN-59269

Sample

Rosemary Cineole (*Rosmarinus officinalis*)
Batch #:..... TN-59269
Type:..... Essential Oil
CAS Number:... 8000-25-7
Nature's Gift

Client



Website

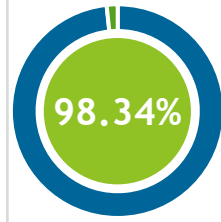
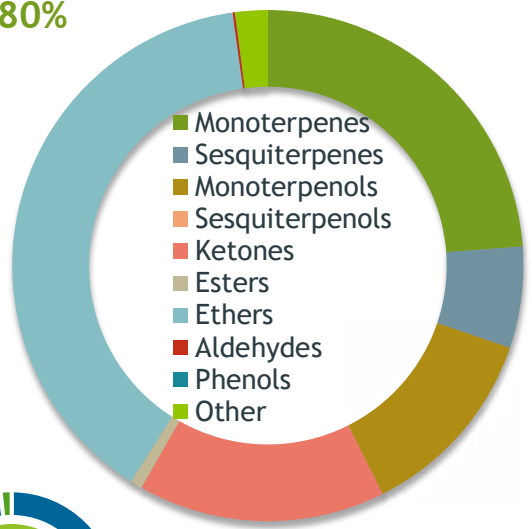


Primary

38.63% | 1,8-Cineole
15.54% | Camphor
9.63% | alpha-Pinene

Ethers

38.80%



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-5162



Essential Validation Services

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

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

Adam Christian

Monoterpenes	23.81%	23.81%
Sesquiterpenes	6.4	6.40%
Monoterpenols	12.37%	12.37%
Sesquiterpenols		0.00%
Ketones	15.66%	15.66%
Esters		0.75%
Ethers	38.80%	38.80
Aldehydes		0.15%
Phenols		0.01%
Other		2.05%

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- 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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Client



Source

Rosemary Cineole (*Rosmarinus officinalis*)

TN-59269

Total Percentage		98.34%		
Number	RT	Area %	Compound Name	Chemical Family
1	4.20	0.02%	Hexanal	Aliphatic Aldehyde
2	5.55	0.02%	(E)-2-Hexenal	Aliphatic Aldehyde
3	5.66	0.02%	cis-Hex-3-en-1-ol	Aliphatic Alcohol
4	6.09	0.01%	1-Hexanol	Aliphatic Alcohol
5	7.05	0.01%	Bornylene	Monoterpene
6	7.60	0.01%	Hashishene	Monoterpene
7	7.67	0.14%	Tricyclene	Monoterpene
8	7.85	0.13%	alpha-Thujene	Monoterpene
9	8.12	9.63%	alpha-Pinene	Monoterpene
10	8.71	3.67%	Camphene	Monoterpene
11	8.88	0.03%	Thuja-2,4(10)-diene	Monoterpene
12	9.67	0.05%	Sabinene	Monoterpene
13	9.83	4.68%	beta-Pinene	Monoterpene
14	10.21	0.36%	1-Octen-3-ol	Aliphatic Alcohol
15	10.43	1.59%	Myrcene	Monoterpene
16	10.96	0.04%	Pseudolimonene	Monoterpene
17	11.07	0.22%	alpha-Phellandrene	Monoterpene
18	11.16	0.04%	delta-3-Carene	Monoterpene
19	11.54	0.61%	alpha-Terpinene	Monoterpene
20	11.90	0.94%	ortho-Cymene	Monoterpene
21	11.97	0.63%	para-Cymene	Monoterpene
22	12.31	38.63%	1,8-Cineole	Monoterpene Ether
23	12.48	0.11%	(Z)-beta-Ocimene	Monoterpene
24	12.93	0.02%	(E)-beta-Ocimene	Monoterpene
25	13.40	0.81%	gamma-Terpinene	Monoterpene
26	13.99	0.08%	trans-Sabinene hydrate	Monoterpenol
27	14.62	0.36%	Terpinolene	Monoterpene
28	14.87	0.07%	para-Cymenene	Monoterpene
29	15.48	1.55%	Linalool	Monoterpenol
30	15.58	0.02%	Nonanal	Aliphatic Aldehyde
31	15.62	0.02%	Hotrienol	Monoterpenol
32	16.28	0.08%	Fenchol	Monoterpenol
33	16.51	0.07%	alpha-Campholene aldehyde	Monoterpene Aldehyde
34	16.68	0.02%	Alloocimene	Monoterpene
35	16.98	0.02%	Nopinone	Monoterpene Ketone

Client



Source

Rosemary Cineole (*Rosmarinus officinalis*)

TN-59269

Number	RT	Area %	Compound Name	Chemical Family
36	17.459	15.54%	Camphor	Monoterpene Ketone
37	17.55	0.14%	neo-Isopulegol	Monoterpenol
38	17.82	0.06%	Camphene hydrate	Monoterpenol
39	17.98	0.11%	Isopulegol	Monoterpenol
40	18.08	0.06%	Pinocarvone	Monoterpene Ketone
41	18.70	5.36%	Borneol	Monoterpenol
42	19.05	1.08%	Terpinen-4-ol	Monoterpenol
43	19.51	0.06%	para-Cymen-8-ol	Monoterpenol
44	19.82	3.73%	alpha-Terpineol	Monoterpenol
45	20.19	0.04%	Verbenone	Monoterpene Ketone
46	20.26	0.02%	Decanal	Aliphatic Aldehyde
47	20.91	0.01%	cis-Carveol	Monoterpenol
48	21.11	0.03%	Bornyl formate	Monoterpene Ester
49	21.31	0.04%	Citronellol	Monoterpenol
50	23.66	0.72%	Bornyl acetate	Monoterpene Ester
51	24.09	0.02%	Thymol	Monoterpenol
52	24.80	0.03%	Carvacrol	Monoterpenol
53	26.78	0.01%	Eugenol	Phenylpropanoid
54	27.33	0.03%	alpha-Ylangene	Sesquiterpene
55	27.61	0.03%	alpha-Copaene	Sesquiterpene
56	28.81	0.07%	cis-Caryophyllene	Sesquiterpene
57	29.46	5.16%	beta-Caryophyllene	Sesquiterpene
58	30.08	0.02%	trans-alpha-Bergamotene	Sesquiterpene
59	30.70	0.03%	alpha-Guaiene	Sesquiterpene
60	30.91	0.70%	alpha-Humulene	Sesquiterpene
61	31.78	0.03%	gamma-Murolene	Sesquiterpene
62	31.94	0.02%	alpha-Amorphene	Sesquiterpene
63	32.09	0.02%	alpha-Curcumene	Sesquiterpene
64	32.28	0.01%	beta-Selinene	Sesquiterpene
65	32.59	0.01%	alpha-Selinene	Sesquiterpene
66	32.78	0.01%	alpha-Murolene	Sesquiterpene
67	32.89	0.01%	Valencene	Sesquiterpene
68	33.17	0.18%	beta-Bisabolene	Sesquiterpene
69	33.31	0.01%	gamma-Cadinene	Sesquiterpene
70	33.55	0.04%	delta-Cadinene	Sesquiterpene
71	33.79	0.02%	beta-Sesquiphellandrene	Sesquiterpene

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Source



Rosemary Cineole (Rosmarinus officinalis)
 TN-59269

Retention Time	Area	Percentage	Compound Name	Chemical Class
72	35.92	0.15%	Caryophyllene oxide	Sesquiterpene Ether
73	37.00	0.02%	Humulene epoxide II	Sesquiterpene Ether

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