



Bay Laurel

Laurus nobilis

Batch No. HR-59308

Croatia

Monoterpenes 23.26%

sabinene	8.33
α pinene	5.16
β pinene	4.14
para cymene	2.20
myrcene	0.90
α thujene	0.59
α terpinene	0.47
γ terpinene	0.42
camphene	0.38
α phellandrene	0.22
terpinolene	0.19
δ 3 carene	0.09
thuja-2,4(10)-diene	0.04
pseudolimonene	0.03
meta-cymene	0.03
(E) β ocimene	0.02
(Z) β ocimene	0.02
para-cymenene	0.02
tricyclene	0.01

Monoterpenols 8.69%

linalol	3.22
terpinen 4 ol	2.32
α terpineol	1.44
δ terpineol	0.42
trans sabinene hydrate	0.39
trans-pinocarveol	0.18
cis-para-Menth-2-en-1-ol	0.13
para-cymen-8-ol	0.10
trans-para-Menth-2-en-1-ol	0.09
nerol	0.08
para-cymen-7-ol	0.06
hotrienol	0.05
trans-piperitol	0.04
cis-para-mentha-1(7),8-dien-2-ol	0.03
trans-para-mentha-2,8-dien-1-ol	0.03
trans-ascaridol glycol	0.03
cis.01-para-mentha-2,8-dien-1-ol	0.02
trans-verbenol	0.02
trans-carveol	0.02
fenchol	0.01
cis-carveol	0.01

Aldehydes 0.05%

cumenal	0.02
phellandral	0.02
(E) 2-hexenal	0.01

Esters 15.49%

α terpinyl acetate	13.48
δ terpenyl acetate	0.97
bornyl acetate	0.33
neryl acetate	0.28
linalyl acetate	0.18
geranyl acetate	0.09
(E) cinnamyl acetate	0.07
trans-sabinyl acetate	0.04
2-heptyl acetate	0.02
butyl acetate	0.01
isopropyl-2-methyl butyrate	0.01
hinesol acetate	0.01

Ethers 43.91%

1,8 cineole	43.31
caryophyllene oxide	0.46
β pinene oxide	0.06
humulene epoxide II	0.06
nerol oxide	0.02

Ketones 0.34%

2-undecanone	0.15
pinocarvone	0.04
thuj-3-en-10-al	0.04
carvone	0.03
limona ketone	0.03
2-nonanone	0.02

6-methyl-5-hepten-2-one 0.01

cryptone	0.01
2-pentadecanone	0.01

Phenols 2.75%

methyl eugenol	1.63
eugenol	1.02
elemicin	0.06
isoelemicin	0.04

Sesquiterpenes 2.34%

isocaryophyllene	0.45
β elemene	0.44
β selinene	0.24
α guaiane	0.15
γ cadinene	0.15
trans- α -bisabolene	0.14
δ cadinene	0.14
α ylangene	0.12
α selinene	0.08
α humulene	0.07
aromadendrene	0.06
germacrene D	0.06
6,9 guaiadiene	0.05
eremophilene	0.05
longifolene	0.04
α calacorene	0.03
γ selinene	0.03
α copaene	0.02
β bisabolene	0.01
γ muurolene	0.01

Sesquiterpenols 0.69%

β eudesmol	0.36
spathulenol	0.11
globulol	0.07
junenol	0.06
ledol	0.03
elemol	0.02
viridiflorol	0.02
cubebol	0.01
hinesol	0.01

Other 0.05%

(Z) hex-3-en-1-ol	0.01
hexyleneglycol	0.01

octadecane	0.01
pentadecane	0.01
perillyl alcol	0.01

Client



Source



Bay Laurel (*Laurus nobilis* L.)
HR-59308

Sample

Bay Laurel (*Laurus nobilis* L.)
Batch #:..... HR-59308
Type:..... Essential Oil
CAS Number:... 8006-78-8
Nature's Gift

Client



Website

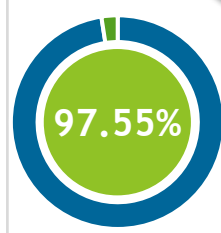
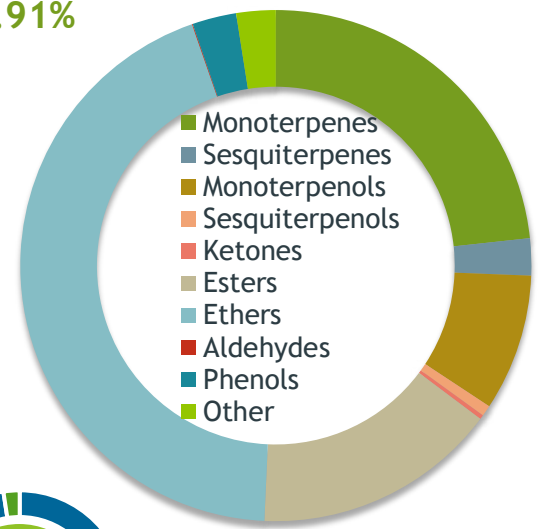


Primary

43.31% | **1,8-Cineole**
13.48% | **alpha-Terpinyl acetate**
8.33% | **Sabinene**

Ethers

43.91%



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 Bay Laurel (*Laurus nobilis* L.)

Internal Number: | EVS-5472



Essential Validation Services

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

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

Alan Christen

Monoterpenes	23.26%	23.26%
Sesquiterpenes	2.34%	2.34%
Monoterpenols	8.64%	8.64%
Sesquiterpenols	0.69%	0.69%
Ketones	0.27%	0.27%
Esters	15.46%	15.46%
Ethers	43.91%	43.91%
Aldehydes	0.05%	0.05%
Phenols	2.78%	2.78%
Other	2.49%	2.49%

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Client



Source

Bay Laurel (*Laurus nobilis* L.)

HR-59308

Total Percentage		97.55%		
Number	RT	Area %	Compound Name	Chemical Family
1	4.72	0.01%	Butyl acetate	Aliphatic Ester
2	5.39	0.01%	(E)-2-Hexenal	Aliphatic Aldehyde
3	5.46	0.01%	cis-Hex-3-en-1-ol	Aliphatic Alcohol
4	6.36	0.01%	Isopropyl-2-methyl butyrate	
5	7.51	0.01%	Tricyclene	Monoterpene
6	7.68	0.59%	alpha-Thujene	Monoterpene
7	7.93	5.16%	alpha-Pinene	Monoterpene
8	8.33	0.04%	Thuja-2,4(10)-diene	Monoterpene
9	8.52	0.38%	Camphene	Monoterpene
10	9.09	0.01%	Hexyleneglycol	Polyethylene glycol
11	9.49	8.33%	Sabinene	Monoterpene
12	9.63	4.14%	beta-Pinene	Monoterpene
13	10.02	0.01%	6-Methyl-5-hepten-2-one	Aliphatic Ketone
14	10.20	0.90%	Myrcene	Monoterpene
15	10.74	0.03%	Pseudolimonene	Monoterpene
16	10.84	0.22%	alpha-Phellandrene	Monoterpene
17	10.94	0.09%	delta-3-Carene	Monoterpene
18	11.31	0.47%	alpha-Terpinene	Monoterpene
19	11.45	0.03%	meta-Cymene	Monoterpene
20	11.69	2.20%	para-Cymene	Monoterpene
21	12.08	43.31%	1,8-Cineole	Monoterpene Ether
22	12.24	0.02%	(Z)-beta-Ocimene	Monoterpene
23	12.39	0.01%	9.19 Heptyl acetate <2->	Monoterpene Ester
24	12.68	0.02%	(E)-beta-Ocimene	Monoterpene
25	13.14	0.42%	gamma-Terpinene	Monoterpene
26	13.66	0.39%	trans-Sabinene hydrate	Monoterpenol
27	14.35	0.19%	Terpinolene	Monoterpene
28	14.57	0.02%	para-Cymenene	Monoterpene
29	14.67	0.02%	2-Nonanone	Monoterpene Ketone
30	15.13	3.22%	Linalool	Monoterpenol
31	15.24	0.05%	Hotrienol	Monoterpenol
32	15.86	0.01%	Fenchol	Monoterpenol
33	16.01	0.03%	trans-para-Mentha-2,8-dien-1-ol	Monoterpenol
34	16.11	0.13%	cis-para-Menth-2-en-1-ol	Monoterpenol
35	16.40	0.03%	Limona ketone	Simple Phenolic

Client



Source



Bay Laurel (*Laurus nobilis L.*)
HR-59308

Number	RT	Area %	Compound Name	Chemical Family
36	16.673	0.02%	cis-para-Mentha-2,8-dien-1-ol	Simple Phenolic
37	16.81	0.18%	trans-Pinocarveol	Monoterpenol
38	16.94	0.09%	trans-para-Menth-2-en-1-ol	Monoterpenol
39	17.08	0.02%	trans-Verbenol	Monoterpenol
40	17.43	0.02%	Nerol oxide	Monoterpene Ether
41	17.68	0.06%	beta-Pinene oxide	Monoterpene Ether
42	17.78	0.04%	Pinocarvone	Monoterpene Ketone
43	18.23	0.42%	delta-Terpineol	Monoterpenol
44	18.70	2.32%	Terpinen-4-ol	Monoterpenol
45	18.79	0.04%	14.99 Thuj-3-en-10-al	0.00
46	18.92	0.01%	Cryptone	Monoterpene Ketone
47	19.03	0.10%	para-Cymen-8-ol	Monoterpenol
48	19.39	1.44%	alpha-Terpineol	Monoterpenol
49	20.03	0.04%	trans-Piperitol	Monoterpenol
50	20.48	0.02%	trans-Carveol	Monoterpenol
51	20.77	0.08%	Nerol	Monoterpenol
52	20.94	0.03%	cis-para-Mentha-1(7),8-dien-2-ol	Monoterpenol
53	21.08	0.01%	cis-Carveol	Monoterpenol
54	21.45	0.02%	Cuminal	Monoterpene Aldehyde
55	21.54	0.03%	Carvone	Monoterpene Ketone
56	21.95	0.18%	Linalyl acetate	Monoterpene Ester
57	22.94	0.03%	trans-Ascaridol glycol	Monoterpenol
58	23.00	0.02%	Phellandral	Monoterpene Aldehyde
59	23.36	0.33%	Bornyl acetate	Monoterpene Ester
60	23.62	0.04%	trans-Sabinyl acetate	Monoterpene Ester
61	23.75	0.06%	19.74 Cymen-7-ol<para->	0.00
62	23.86	0.15%	2-Undecanone	Aliphatic Ketone
63	24.08	0.01%	Perillyl alcohol	Monoterpenol
64	24.68	0.97%	delta-Terpinyl acetate	Monoterpene Ester
65	26.23	13.48%	alpha-Terpinyl acetate	Monoterpene Ester
66	26.37	1.02%	Eugenol	Phenylpropanoid
67	26.73	0.28%	Neryl acetate	Monoterpene Ester
68	27.04	0.12%	alpha-Ylangene	Sesquiterpene
69	27.31	0.02%	alpha-Copaene	Sesquiterpene
70	27.58	0.09%	Geranyl acetate	Monoterpene Ester
71	27.93	0.44%	beta-Elemene	Sesquiterpene

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Client



Source

Bay Laurel (*Laurus nobilis L.*)

HR-59308

72	28.50	1.63%	Methyl eugenol	Phenylpropanoid
73	29.09	0.45%	Isocaryophyllene	Sesquiterpene
74	29.25	0.04%	Longifolene	Sesquiterpene
75	30.05	0.05%	6,9-Guaiadiene	Sesquiterpene
76	30.27	0.07%	(E)-Cinnamyl acetate	Phenylpropanoid Ester
77	30.33	0.06%	Aromadendrene	Sesquiterpene
78	30.56	0.07%	alpha-Humulene	Sesquiterpene
79	30.68	0.15%	alpha-Guaiene	Sesquiterpene
80	31.42	0.01%	gamma-Murolene	Sesquiterpene
81	31.61	0.06%	Germacrene D	Sesquiterpene
82	31.74	0.03%	gamma-Selinene	Sesquiterpene
83	31.93	0.24%	beta-Selinene	Sesquiterpene
84	32.10	0.05%	Eremophilene	Sesquiterpene
85	32.23	0.08%	alpha-Selinene	Sesquiterpene
86	32.67	0.01%	Pentadecane	Alkane
87	32.83	0.01%	beta-Bisabolene	Sesquiterpene
88	32.95	0.15%	gamma-Cadinene	Sesquiterpene
89	33.19	0.14%	delta-Cadinene	Sesquiterpene
90	33.61	0.01%	Cubebol	Sesquiterpenol
91	34.02	0.03%	alpha-Calacorene	Sesquiterpene
92	34.12	0.14%	trans-alpha-Bisabolene	Sesquiterpene
93	34.35	0.02%	Elemol	Sesquiterpenol
94	34.43	0.06%	Elemicin	Phenylpropanoid
95	35.38	0.11%	Spathulenol	Sesquiterpenol
96	35.54	0.46%	Caryophyllene oxide	Sesquiterpene Ether
97	36.04	0.02%	Viridiflorol	Sesquiterpenol
98	36.41	0.03%	Ledol	Sesquiterpenol
99	36.59	0.06%	Humulene epoxide II	Sesquiterpene Ether
100	36.86	0.07%	Globulol	Sesquiterpenol
101	37.06	0.06%	Junenol	Sesquiterpenol
102	37.79	0.01%	Hinesol	Sesquiterpenol
103	38.17	0.04%	Isoelemicin	Phenylpropanoid
104	38.29	0.36%	beta-Eudesmol	Sesquiterpenol
105	40.11	0.01%	2-Pentadecanone	Sesquiterpene Ketone
106	42.94	0.01%	39.79 Hinesol acetate	0.00
107	43.78	0.01%	Octadecane	Alkane

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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