


Cinnamon Leaf

Cinnamomum zeylanicum

Batch No. MA-59033

Madagascar

Monoterpenes	5.95%	Monoterpenols	2.27%	Sesquiterpenes	4.07%
α phellandrene	1.11	linalol	1.99	β caryophyllene	3.12
β phellandrene	1.05	terpinen-4-ol	0.14	α humulene	0.54
α pinene	1.04	borneol	0.06	α copaene	0.28
para cymene	1.01	para-cymen-8-ol	0.02	viridiflorene	0.04
camphene	0.39	cis-linalool oxide	0.01	aromadendrene	0.03
β pinene	0.33	cis-para-Menth-2-en-1-ol	0.01	δ cadinene	0.03
α terpineol	0.28	trans-pinocarveol	0.01	β selinene	0.02
2-carene	0.18	trans-para-Menth-2-en-1-ol	0.01	β elemene	0.01
α thujene	0.12	nerol	0.01		
isoterpinolene	0.12	carvacrol	0.01	Sesquiterpenols	0.09%
myrcene	0.11	α terpineol		spathulenol	0.04
Δ 3 carene	0.08			allohimachalol	0.03
γ terpinene	0.04	Phenols / Phenylpropanoids	78.14%	globulol	0.02
(E) β ocimene	0.04	eugenol	73.66		
(Z) β ocimene	0.02	(E)-cinnamaldehyde	2.13	Esters	8.19%
ortho-cymene	0.02	safrole	1.74	eugenyl acetate	5.41
para-cymenene	0.01	benzaldehyde	0.27	(E) cinnamyl acetate	2.32
		benzyl alcohol	0.09	2-phenylethyl acetate	0.11
Ethers	0.83%	cinnamyl alcohol	0.09	hydrocinnamyl acetate	0.11
caryophyllene oxide	0.59	hydrocinnamyl alcohol	0.05	benzyl acetate	0.09
1,8 cineole (eucalyptol)	0.15	hydrocinnamaldehyde	0.05	methylbutyrate	0.07
humulene epoxide II	0.07	styrene	0.03	2-phenylethyl benzoate	0.05
allo-aromadendrene epoxide	0.02	toluene	0.01	benzyl benzoate	0.03
		acetophenone	0.01		
Aldehydes	0.04%	methyl eugenol	0.01		
tetradecanal	0.03				
hexanal	0.01				

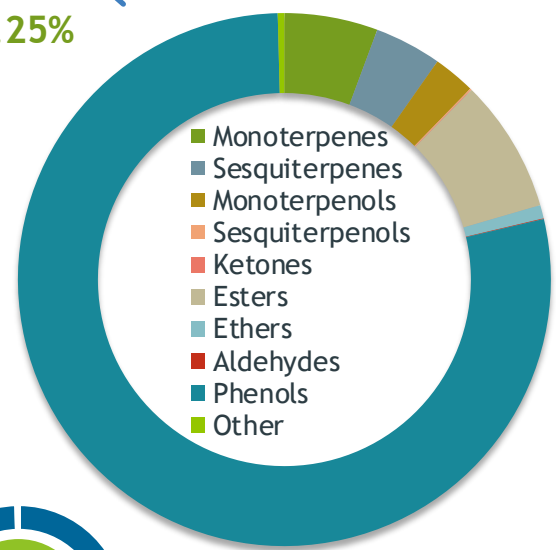
Client  **Source** 

Cinnamon Leaf (*Cinnamomum zeylanicum*)
MA-59033

Sample Cinnamon Leaf (*Cinnamomum zeylanicum*)
Batch #:..... MA-59033
Type:..... Essential Oil
CAS Number:... 8015-91-6
Nature's Gift

Phenols

78.25%



Client  **Website** 

Primary 73.66% Eugenol
3.12% beta-Caryophyllene
3.03% Benzyl benzoate



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 Cinnamon Leaf (*Cinnamomum zeylanicum*)
Internal Number: | EVS-3632


Essential Validation Services
747 SW 2nd Ave IMB 12 Suite 306
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Monoterpenes	5.67%
Sesquiterpenes	4.07%
Monoterpenols	2.55%
Sesquiterpenols	0.09%
Ketones	0.02%
Esters	8.10%
Ethers	0.81%
Aldehydes	0.04%
Phenols	78.25%
Other	0.40%

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Client



Source

Cinnamon Leaf (*Cinnamomum zeylanicum*)

MA-59033

Total Percentage		99.60%		
Number	RT	Area %	Compound Name	Chemical Family
1	3.82	0.01%	Toluene	Simple Phenolic
2	4.55	0.01%	Hexanal	Aliphatic Aldehyde
3	7.14	0.03%	Styrene	Phenylpropanoid
4	8.43	0.12%	alpha-Thujene	Monoterpene
5	8.70	1.04%	alpha-Pinene	Monoterpene
6	9.32	0.39%	Camphene	Monoterpene
7	9.78	0.27%	Benzaldehyde	Simple Phenolic
8	10.46	0.33%	beta-Pinene	Monoterpene
9	11.04	0.11%	Myrcene	Monoterpene
10	11.71	1.11%	alpha-Phellandrene	Monoterpene
11	11.82	0.08%	delta-3-Carene	Monoterpene
12	12.19	0.18%	2-Carene	Monoterpene
13	12.31	0.02%	ortho-Cymene	Monoterpene
14	12.52	1.01%	para-Cymene	Monoterpene
15	12.78	1.05%	beta-Phellandrene	Monoterpene
16	12.83	0.15%	1,8-Cineole	Monoterpene Ether
17	12.91	0.09%	Benzyl alcohol	Simple Phenolic
18	13.11	0.02%	(Z)-beta-Ocimene	Monoterpene
19	13.57	0.04%	(E)-beta-Ocimene	Monoterpene
20	14.07	0.04%	gamma-Terpinene	Monoterpene
21	14.31	0.01%	Acetophenone	Simple Phenolic
22	14.62	0.01%	cis-Linalool oxide (5) (furanoid)	Monoterpenol
23	15.31	0.12%	Isoterpinolene	Monoterpene
24	15.51	0.01%	para-Cymenene	Monoterpene
25	16.02	1.99%	Linalool	Monoterpenol
26	16.18	0.07%	2-Methylbutyl 2-methylbutyrate	Aliphatic Ester
27	17.08	0.01%	cis-para-Menth-2-en-1-ol	Monoterpenol
28	17.79	0.01%	trans-Pinocarveol	Monoterpenol
29	17.91	0.01%	trans-para-Menth-2-en-1-ol	Monoterpenol
30	18.05	0.02%	Camphor	Monoterpene Ketone
31	18.78	0.05%	Hydrocinnamaldehyde	Phenylpropanoid
32	18.84	0.09%	Benzyl acetate	Phenolic Ester
33	19.25	0.06%	Borneol	Monoterpenol
34	19.67	0.14%	Terpinen-4-ol	Monoterpenol
35	19.98	0.02%	para-Cymen-8-ol	Monoterpenol

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Number	RT	Area %	Compound Name	Chemical Family
36	20.354	0.28%	alpha-Terpineol	Monoterpenol
37	21.75	0.01%	Nerol	Monoterpenol
38	21.93	0.05%	Hydrocinnamyl alcohol	Phenylpropanoid
39	23.04	0.11%	2-Phenylethyl acetate	Phenolic Ester
40	23.81	2.13%	(E)-Cinnamaldehyde	Phenylpropanoid
41	24.61	1.74%	Safrole	Phenylpropanoid
42	25.13	0.01%	Carvacrol	Monoterpenol
43	25.38	0.09%	Cinnamyl alcohol	Phenylpropanoid
44	27.64	73.66%	Eugenol	Phenylpropanoid
45	28.11	0.11%	Hydrocinnamylacetate	Phenol
46	28.43	0.28%	alpha-Copaene	Sesquiterpene
47	29.04	0.01%	beta-Elemene	Sesquiterpene
48	29.50	0.01%	Methyl eugenol	Phenylpropanoid
49	30.23	3.12%	beta-Caryophyllene	Sesquiterpene
50	31.01	0.03%	Aromadendrene	Sesquiterpene
51	31.31	2.32%	(E)-Cinnamyl acetate	Phenylpropanoid Ester
52	31.69	0.54%	alpha-Humulene	Sesquiterpene
53	33.07	0.02%	beta-Selinene	Sesquiterpene
54	33.19	0.04%	Viridiflorene	Sesquiterpene
55	34.17	2.41%	Eugenyl acetate	Phenylpropanoid Ester
56	34.30	0.03%	delta-Cadinene	Sesquiterpene
57	36.49	0.04%	Spathulenol	Sesquiterpenol
58	36.68	0.59%	Caryophyllene oxide	Sesquiterpene Ether
59	36.84	0.02%	Globulol	Sesquiterpenol
60	37.74	0.07%	Humulene epoxide II	Sesquiterpene Ether
61	38.06	0.03%	Tetradecanal	Sesquiterpene Aldehyde
62	38.78	0.02%	allo-Aromadendrene epoxide	Sesquiterpene Ester
63	39.50	0.03%	Allohimachalol	Sesquiterpenol
64	43.45	3.03%	Benzyl benzoate	Phenolic Ester
65	46.43	0.05%	2-Phenylethyl benzoate	Phenolic Ester

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