

Client

WHOLESALE BOTANICS .COM

Source



Nutmeg (*Myristica fragrans*)  
K-NUT

Sample

Nutmeg (*Myristica fragrans*)

Batch #:..... K-NUT

Type:..... Essential Oil

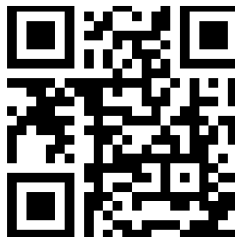
CAS Number:... 8008-45-5

Wholesale Botanics

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Website



Primary

19.52%

Sabinene

11.85%

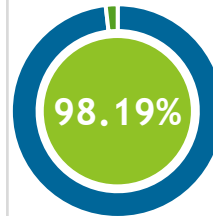
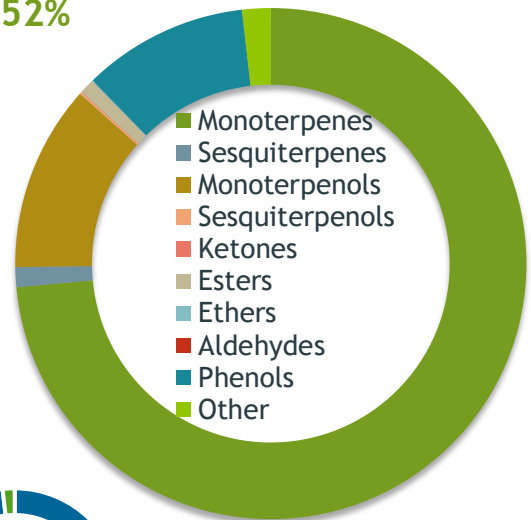
alpha-Pinene

10.64%

beta-Pinene

Monoterpenes

73.52%



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 Nutmeg (*Myristica fragrans*)

Internal Number: | EVS-5066



Essential Validation Services

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

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

*Alan Chastain*

Monoterpenes	73.52%	73.52%
Sesquiterpenes		1.26%
Monoterpenols	11.7	11.79%
Sesquiterpenols		0.14%
Ketones		0.03%
Esters		0.92%
Ethers		0.06%
Aldehydes		0.00%
Phenols	10.	10.47
Other		1.81%

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Total Percentage		98.19%		
Number	RT	Area %	Compound Name	Chemical Family
1	7.58	0.02%	Tricyclene	Monoterpene
2	7.76	2.67%	alpha-Thujene	Monoterpene
3	8.02	11.85%	alpha-Pinene	Monoterpene
4	8.60	0.39%	Camphene	Monoterpene
5	9.60	19.52%	Sabinene	Monoterpene
6	9.74	10.64%	beta-Pinene	Monoterpene
7	10.10	0.01%	6-Methyl-5-hepten-2-one	Aliphatic Ketone
8	10.29	2.38%	Myrcene	Monoterpene
9	10.82	0.05%	Pseudolimonene	Monoterpene
10	10.92	1.05%	alpha-Phellandrene	Monoterpene
11	11.03	2.38%	delta-3-Carene	Monoterpene
12	11.40	3.47%	alpha-Terpinene	Monoterpene
13	11.52	0.01%	o-Cymene	Monoterpene
14	11.73	2.32%	para-Cymene	Monoterpene
15	11.96	9.06%	Limonene	Monoterpene
16	12.31	0.03%	(Z)-beta-Ocimene	Monoterpene
17	12.76	0.04%	(E)-beta-Ocimene	Monoterpene
18	13.25	5.46%	gamma-Terpinene	Monoterpene
19	13.74	0.60%	trans-Sabinene hydrate	Monoterpenol
20	14.45	2.00%	Terpinolene	Monoterpene
21	14.65	0.16%	para-Cymenene	Monoterpene
22	15.12	0.72%	cis-Sabinene hydrate	Monoterpenol
23	15.46	0.01%	trans-para-Mentha-2,8-dien-1-ol	Monoterpenol
24	15.94	0.02%	Fenchol	Monoterpenol
25	16.19	0.28%	cis-para-Menth-2-en-1-ol	Monoterpenol
26	16.45	0.01%	Alloocimene	Monoterpene
27	16.58	0.01%	cis-Limonene oxide	Monoterpene Ether
28	16.63	0.01%	1,3,8-para-Menthatriene	Monoterpene
29	16.76	0.02%	Terpinen-1-ol	Monoterpenol
30	16.89	0.04%	trans-Pinocarveol	Monoterpenol
31	17.03	0.29%	trans-para-Menth-2-en-1-ol	Monoterpenol
32	17.35	0.02%	delta-Terpineol	Monoterpenol
33	17.52	0.01%	Camphene hydrate	Monoterpenol
34	17.98	0.01%	para-Mentha-1,5-dien-8-ol	Monoterpenol
35	18.34	0.04%	Borneol	Monoterpenol

ESSENTIAL VALIDATION SERVICES | 747 SW 2<sup>ND</sup> 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

3/27/2022

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Source



*Nutmeg (Myristica fragrans)*  
**K-NUT**

Number	RT	Area %	Compound Name	Chemical Family
36	18.823	8.30%	Terpinen-4-ol	Monoterpenol
37	19.01	0.02%	Cryptone	Monoterpene Ketone
38	19.10	0.10%	para-Cymen-8-ol	Monoterpenol
39	19.45	0.97%	alpha-Terpineol	Monoterpenol
40	19.68	0.01%	trans-Carveol	Monoterpenol
41	19.80	0.02%	cis-Pinocarveol	Monoterpenol
42	20.10	0.11%	trans-Piperitol	Monoterpenol
43	21.01	0.07%	Citronellol	Monoterpenol
44	21.88	0.01%	gamma-Terpineol	Monoterpenol
45	22.06	0.13%	cis-Isogeraniol	Monoterpenol
46	23.46	0.13%	Bornyl acetate	Monoterpene Ester
47	23.67	1.49%	Safrole	Phenylpropanoid
48	23.92	0.01%	Carvacrol	Monoterpenol
49	24.02	0.04%	Terpinen-4-yl acetate	Monoterpene Ester
50	26.21	0.21%	alpha-Terpinyl acetate	Monoterpene Ester
51	26.44	0.28%	Citronellyl acetate	Monoterpene Ester
52	26.81	0.01%	Neryl acetate	Monoterpene Ester
53	27.39	0.34%	alpha-Copaene	Sesquiterpene
54	27.66	0.18%	Geranyl acetate	Monoterpene Ester
55	28.01	0.02%	beta-Elemene	Sesquiterpene
56	28.56	1.08%	Methyl eugenol	Phenylpropanoid
57	29.18	0.39%	beta-Caryophyllene	Sesquiterpene
58	29.86	0.14%	trans-alpha-Bergamotene	Sesquiterpene
59	29.97	0.01%	Aromadendrene	Sesquiterpene
60	30.41	0.05%	(E)-Isoeugenol	Phenylpropanoid
61	30.65	0.06%	alpha-Humulene	Sesquiterpene
62	30.76	0.03%	(E)-beta-Farnesene	Sesquiterpene
63	31.52	0.03%	gamma-Murolene	Sesquiterpene
64	31.71	0.05%	Germacrene D	Sesquiterpene
65	32.45	0.31%	(Z)-Methyl isoeugenol	Phenylpropanoid
66	32.85	0.03%	(E,E)-alpha-Farnesene	Sesquiterpene
67	32.92	0.10%	beta-Bisabolene	Sesquiterpene
68	33.03	0.02%	gamma-Cadinene	Sesquiterpene
69	33.39	3.25%	Myristicin	Phenylpropanoid
70	33.54	0.02%	beta-Sesquiphellandrene	Sesquiterpene
71	33.81	0.01%	trans-Cadina-1,4-diene	Sesquiterpene

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