

Client



Appalachian Valley Natural Products  
*Anatolian Treasures*

Source

Cubeb Java Pepper (*Peper cubeba*)  
INH9-HS

Sample

Cubeb Java Pepper (*Peper cubeba*)

Batch #:..... | INH9-HS

Type:..... | Essential Oil

CAS Number:... | 0

Appalachian Valley Natural

Client



Appalachian Valley Natural Products  
*Anatolian Treasures*

Website



Primary

**21.91%**

delta-Cadinene

**6.06%**

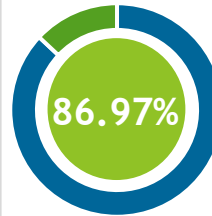
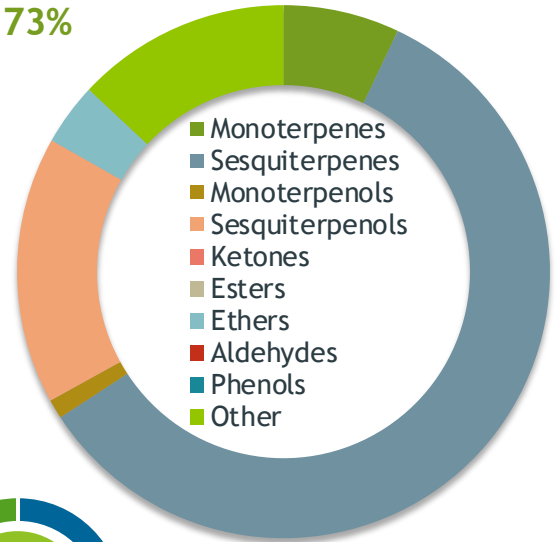
alpha-Copaene

**5.83%**

alpha-Cubebene

### Sesquiterpenes

58.73%



### 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 Cubeb Java Pepper (*Peper cubeba*).

Internal Number: | EVS-2589



### Essential Validation Services

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

317.361.5044 | [essentialvalidationservices.com](http://essentialvalidationservices.com)

[adam@essentialvalidationservices.com](mailto:adam@essentialvalidationservices.com)

Monoterpenes	7	7.06%
Sesquiterpenes	58.73%	58.73%
Monoterpenols		1.17%
Sesquiterpenols	16.24%	16.24%
Ketones		0.00%
Esters		0.00%
Ethers		3.77%
Aldehydes		0.00%
Phenols		0.00%
Other	13.0	13.03%

Client



Appalachian Valley  
Natural Products  
*Anatolian Treasures*

Source

*Cubeb Java Pepper (Peper cubeba)*  
INH9-HS

Total Percentage		86.97%			
Number	RT	Area %	Compound Name	RI	Chemical Family
1	11.92	1.27%	alpha-Thujene	927.80	Monoterpene
2	12.18	1.19%	alpha-Piene		
3	13.84	2.79%	Sabinene	973.00	Monoterpene
4	13.95	0.25%	beta-Pinene	974.00	Monoterpene
5	15.12	0.03%	alpha-Phellandrene	1002.00	Monoterpene
6	15.63	0.05%	alpha-Terpinene	1014.00	Monoterpene
7	15.96	0.57%	para-Cymene	1024.30	Monoterpene
8	16.14	0.68%	beta-Phellandrene	1030.00	Monoterpene
9	16.21	0.42%	1,8-Cineole	1031.80	Monoterpene Ether
10	17.39	0.05%	gamma-Terpinene	1054.00	Monoterpene
11	19.04	0.71%	Linalool	1099.00	Monoterpenol
12	22.09	0.46%	Terpinen-4-ol	1180.57	Monoterpenol
13	27.80	0.66%	delta-Elemene	1335.83	Sesquiterpene
14	28.25	5.83%	alpha-Cubebene	1355.71	Sesquiterpene
15	29.17	6.06%	alpha-Copaene	1379.00	Sesquiterpene
16	29.61	5.41%	beta-Cubebene	1390.50	Sesquiterpene
17	30.27	0.51%	alpha-Gurjunene	1412.00	Sesquiterpene
18	30.35	0.13%	trans-alpha-Bergamotene	1435.00	Sesquiterpene
19	30.61	2.80%	beta-Caryophyllene	1427.14	Sesquiterpene
20	31.13	0.18%	alpha-Guaiene	1438.67	Sesquiterpene
21	31.23	0.39%	Aromadendrene	1449.80	Sesquiterpene
22	31.56	0.33%	cis-Muurolo-3,5-diene	1456.75	Sesquiterpene
23	31.68	1.49%	alpha-Humulene	1461.43	Sesquiterpene
24	31.95	4.16%	allo-Aromadendrene	1471.00	Sesquiterpene
25	32.36	3.19%	gamma-Muuroloene	1478.86	Sesquiterpene
26	32.53	0.34%	Germacrene D	1484.71	Sesquiterpene
27	32.90	1.37%	1-epi-Bicyclosesquiphellandrene	1489.25	Monoterpene
28	32.96	1.50%	beta-Guaiene	1490.67	Sesquiterpene
29	33.08	2.34%	alpha-Muuroloene	1500.25	Sesquiterpene
30	33.87	21.91%	delta-Cadinene	1524.14	Sesquiterpene
31	34.10	1.09%	alpha-Cadinene	1537.86	Sesquiterpene
32	34.54	0.24%	Elemol	1538.00	Sesquiterpenol
33	34.86	2.25%	(E)-Nerolidol	1567.00	Sesquiterpenol
34	34.99	0.41%	beta-Calacorene	1555.50	Sesquiterpene
35	35.21	0.51%	Palustrol	1581.50	Sesquiterpenol

ESSENTIAL VALIDATION SERVICES | 747 SW 2<sup>ND</sup> AVE GAINESVILLE, FLORIDA 32601 | 317-361-5044

Client



Source

*Cubeb Java Pepper (Peper cubeba)*  
**INH9-HS**

Number	RT	Area %	Compound Name	RI	Chemical Family
36	35.48	0.86%	Spathulenol	1587	Sesquiterpenol
37	35.65	2.72%	Caryophyllene oxide	1594.86	Sesquiterpene Ether
38	36.27	3.10%	Ledol	1623.00	Sesquiterpenol
39	36.41	0.63%	Humulene epoxide II	1606.43	Sesquiterpene Ether
40	36.92	4.19%	1-epi-Cubenol	1628.00	Sesquiterpenol
41	37.31	3.75%	alpha-Muurolol	1649.33	Sesquiterpenol
42	37.65	1.34%	alpha-Cadinol	1655.00	Sesquiterpenol
43	37.75	0.55%	cis-Calamenen-10-ol		

ESSENTIAL VALIDATION SERVICES | 747 SW 2<sup>ND</sup> AVE GAINESVILLE, FLORIDA 32601 | 317-361-5044

- This report is the digitally signed and will only be considered valid if the signature is intact.  
 - This report may not be published without the consent of Essential Validation Services.  
 - Chromatograph image may not show full run time