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Balancing Body, Mind and Spirit with Pure Essential Oils  
Since 1995  
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Agarwood  
*Aquillaria crassna*

Batch No. TH-59289  
Thailand

<b>Aldehydes</b>	<b>2.45%</b>
cuminal	2.44
(E) isocitral	0.01

<b>Esters</b>	<b>0.02%</b>
isopropyl tiglate	0.02

<b>Ethers</b>	<b>1.08%</b>
caryophyllene oxide	0.88
kessane	0.2

<b>Ketones</b>	<b>0.39%</b>
8-hydroxy eremophilone	0.19
$\alpha$ vetivone	0.13
nootkatone	0.07

<b>Monoterpenes</b>	<b>0.01%</b>
para-menthatriene	0.01

<b>Monoterpenols</b>	<b>0.01%</b>
(E,E) geranyl linalool	0.01

<b>Phenols</b>	<b>0.22%</b>
benzaldehyde	0.14
acetophenone	0.03
2-hydroxyacetophenone	0.02
salicylaldehyde	0.02
styrene	0.01

<b>Other</b>	<b>61.46%</b>
unknown	61.37
furfural	0.05
2-methylbutyric acid	0.01
hexanoic acid	0.01
1 nonanol	0.01
$\alpha$ methyl-benzene methanol	0.01

<b>Sesquiterpenes</b>	<b>8%</b>
$\gamma$ eudesmol	3.11
$\delta$ guaiene	1.16
$\gamma$ vetivenene	0.93
7,14-anhydro-amorpha-49-diene	0.93
$\beta$ vetispiene	0.58
4,5-diepi-Aristolochene	0.32
$\alpha$ guaiene	0.30
(Z) $\beta$ guaiene	0.27
nootkatene	0.12
bicyclgermacrene	0.08
$\alpha$ panasinsen	0.08
$\beta$ copaene	0.06
(Z) $\alpha$ bergamotene	0.04
$\beta$ patchoulene	0.01
$\beta$ longipinene	0.01

<b>Sesquiterpenols</b>	<b>20.02%</b>
valerianol	8.26
Eremoligenol	6.33
hinesol	2.55
vetiselinenol	1.68
$\beta$ costol	0.61
$\alpha$ costol	0.41
elemol	0.18

Client



Source



Agarwood (*Aquilaria crassna*)  
TH-59289

Sample

Agarwood (*Aquilaria crassna*)  
Batch #:..... TH-59289  
Type:..... Essential Oil  
CAS Number:... 94350-09-1  
**Nature's Gift**

Client



Website

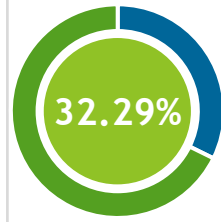
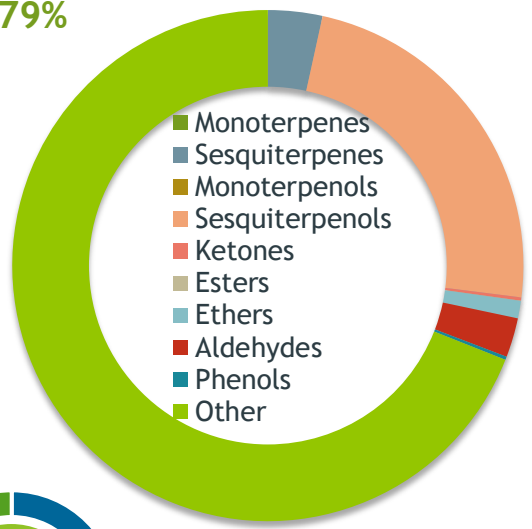


Primary

**8.26%** | Valerianol  
**6.33%** | 34.04 Eremoligenol  
**6.14%** | UK Agarwood

Other

67.79%



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 Agarwood (*Aquilaria crassna*)

Internal Number: | EVS-5340



**Essential Validation Services**

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

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

*Alan Christen*

Monoterpenes	0.01%
Sesquiterpenes	3.37%
Monoterpenols	0.00%
Sesquiterpenols	23.14%
Ketones	0.20%
Esters	0.02%
Ethers	1.08%
Aldehydes	2.45%
Phenols	0.20%
Other	67.79%

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Client



Source

Agarwood (*Aquilaria crassna*)

TH-59289

Total Percentage		32.29%		
Number	RT	Area %	Compound Name	Chemical Family
1	4.84	0.05%	Furfural	Furan
2	5.32	0.01%	2-Methylbutyric acid	Aliphatic Acid
3	6.53	0.01%	Styrene	Phenylpropanoid
4	9.07	0.14%	Benzaldehyde	Simple Phenolic
5	9.40	0.02%	Isopropyl tiglate	Aliphatic Ester
6	9.90	0.01%	Hexanoic acid	Fatty Acid
7	12.52	0.02%	Salicylaldehyde	Simple Phenolic
8	13.33	0.01%	9.92 Benzene methanol<alpha-methyl->	0.00
9	13.48	0.03%	Acetophenone	Simple Phenolic
10	17.51	0.01%	para-Menthatriene	Monoterpene
11	17.76	0.02%	13.87 Hydroxy acetophenone<2'->	0.00
12	18.35	0.01%	(E)-Isocitral	Monoterpene Aldehyde
13	18.51	0.01%	1-Nonanol	Fatty alcohol
14	21.60	2.44%	Cuminal	Monoterpene Aldehyde
15	27.69	0.01%	beta-Patchoulene	Sesquiterpene
16	27.98	0.40%	UK Agarwood	
17	28.58	0.01%	beta-Longipinene	Sesquiterpene
18	29.03	0.04%	cis-alpha-Bergamotene	Sesquiterpene
19	29.91	0.30%	alpha-Guaiene	Sesquiterpene
20	30.00	0.26%	UK Agarwood	
21	30.19	0.06%	beta-Copaene	Sesquiterpene
22	30.72	0.43%	UK Agarwood	
23	31.32	0.32%	27.63 Aristolochene<4,5-di-epi->	0.00
24	31.54	6.14%	UK Agarwood	
25	31.84	0.27%	28.51 Guaiene<cis-beta->	0.00
26	32.04	0.58%	beta-Vetispirene	Sesquiterpene
27	32.56	1.24%	UK Agarwood	
28	32.63	1.16%	delta-Guaiene	Sesquiterpene
29	32.98	0.12%	Nootkatene	Sesquiterpene
30	33.12	0.08%	Bicyclogermacrene	Sesquiterpene
31	33.27	0.25%	UK Agarwood	
32	33.60	0.20%	Kessane	Sesquiterpene Ether
33	33.93	0.08%	alpha-Panasinsen	Sesquiterpene
34	34.34	0.93%	gamma-Vetivenene	Sesquiterpene
35	34.48	0.18%	Elemol	Sesquiterpenol

Client



Source



Agarwood (*Aquilaria crassna*)  
TH-59289

Number	RT	Area %	Compound Name	Chemical Family
36	34.971	3.33%	UK Agarwood	Sesquiterpenol
37	35.08	0.38%	UK Agarwood	
38	35.59	0.88%	Caryophyllene oxide	Sesquiterpene Ether
39	35.83	0.44%	UK Agarwood	
40	36.02	0.94%	UK Agarwood	
41	36.10	0.27%	UK Agarwood	
42	36.36	1.62%	UK Agarwood	
43	36.56	1.56%	UK Agarwood	
44	36.81	0.80%	UK Agarwood	
45	37.05	2.04%	UK Agarwood	
46	37.25	3.11%	gamma-Eudesmol	Sesquiterpenol
47	37.45	0.65%	UK Agarwood	
48	37.68	2.67%	UK Agarwood	
49	37.84	2.55%	Hinesol	Sesquiterpenol
50	37.93	1.20%	UK Agarwood	
51	38.18	6.33%	34.04 Eremoligenol	Sesquiterpenol
52	38.52	8.26%	Valerianol	Sesquiterpenol
53	39.02	3.74%	UK Agarwood	
54	39.26	4.95%	UK Agarwood	
55	39.40	0.58%	UK Agarwood	
56	39.52	0.34%	UK Agarwood	
57	39.62	0.40%	UK Agarwood	
58	39.80	0.30%	UK Agarwood	
59	39.94	3.42%	UK Agarwood	
60	40.04	0.93%	UK Agarwood	
61	40.17	1.35%	UK Agarwood	
62	40.28	1.78%	UK Agarwood	
63	40.41	1.68%	Vetiselinol	Sesquiterpenol
64	40.56	0.64%	UK Agarwood	
65	40.68	0.51%	UK Agarwood	
66	40.82	0.93%	UK Agarwood	
67	40.97	0.42%	UK Agarwood	
68	41.12	0.65%	UK Agarwood	
69	41.22	0.77%	UK Agarwood	
70	41.37	2.81%	UK Agarwood	
71	41.61	0.53%	UK Agarwood	

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Client

Source



Agarwood (*Aquilaria crassna*)  
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72	41.77	1.21%	UK Agarwood	
73	41.89	0.27%	UK Agarwood	
74	42.08	0.69%	UK Agarwood	
75	42.25	0.93%	38.78 Amorpha-4,9-diene<7,14-anhydro->	0.00
76	42.32	0.35%	UK Agarwood	
77	42.68	0.41%	alpha-Costol	Sesquiterpenol
78	42.84	0.61%	beta-Costol	Sesquiterpenol
79	42.97	0.36%	UK Agarwood	
80	43.72	3.85%	UK Agarwood	
81	43.92	0.53%	UK Agarwood	
82	44.06	0.07%	Nootkatone	Sesquiterpene Ketone
83	44.29	0.59%	UK Agarwood	
84	44.68	0.33%	UK Agarwood	
85	44.79	0.13%	alpha-Vetivone	Sesquiterpene Ketone
86	45.00	0.19%	42.05 Eremophilone<8-hydroxy->	0.00
87	46.19	0.92%	UK Agarwood	
88	48.61	2.00%	UK Agarwood	
89	50.78	0.35%	UK Agarwood	
90	51.00	0.01%	48.16 Geranyl linalool<E,E->	Sesquiterpenol
91	55.31	0.25%	UK Agarwood	

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