

## Sample:

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Client: | Nature's Gift  
Sample: | Agarwood (Aquilaria crassna)  
Batch # | #th-58677  
Cas Number | 94350-09-1  
Type: | Essential Oil

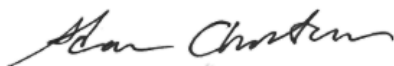
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## Conclusion:

- No adulterants, diluents, or contaminants were detected via this method.
- This oil meets the expected profile for genuine essential oil of Agarwood (Aquilaria crassna).



X



Validated By:

Essential Validation Services

747 SW 2nd Ave, Gainesville, FL 32601

Phone: 317-361-5044 E-mail: Adam@essentialvalidationservices.com

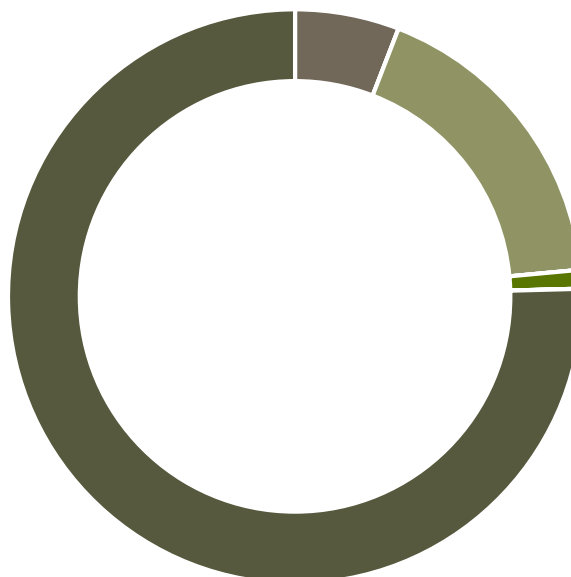
## Summary of Analyses

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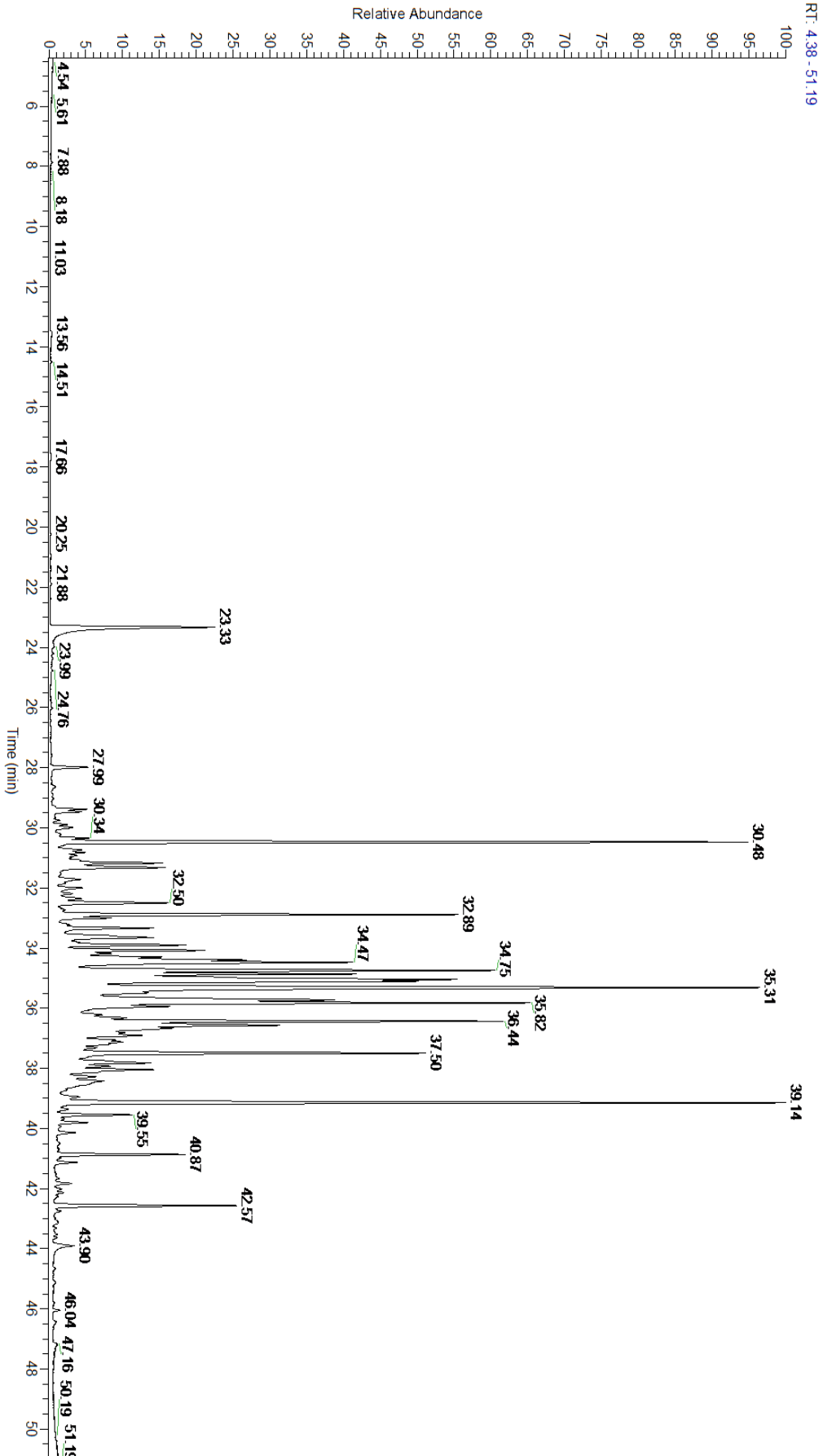
A fresh sample of Agarwood (Aquilaria crassna) Essential Oil (10 uL in .5to.5 mL Hexane + ETOH) was prepared and analyzed via split injection GC/EI-MS.

Main Compounds	Percentages
Valerianol	9.74%
epi-Cyclocolorone?	7.73%
Agarwood Unidentified	6.63%
Hinesol	5.05%
Agarwood Unidentified	4.74%
Agarwood Unidentified	4.57%
Agarwood Unidentified	4.08%
beta-Vetivenene isomer I	3.80%
Agarwood Unidentified	3.61%
Agarwood Unidentified	3.60%
Agarwood Unidentified	3.23%
Agarwood Unidentified	3.08%
Agarwood Unidentified	2.67%

Monoterpenes	Sesquiterpenes	Monoterpenols	Sesquiterpenols	Ketones
0.00%	5.87%	0.00%	17.65%	0.00%
Esters	Ethers	Aldehydes	Phenols	Other
0.00%	1.05%	0.00%	0.01%	75.42%



- Monoterpenes   ■ Sesquiterpenes   ■ Monoterpenols
- Sesquiterpenols   ■ Ketones   ■ Esters
- Ethers   ■ Phenols   ■ Other



Total Percentage		24.58%			
Peak Number	RT	Area %	Compound Name	RI	Chemical Family
1	13.51	0.01%	Benzaldehyde	958.00	Simple Phenolic
2	23.33	2.48%	Benzyl acetone		
3	27.99	0.41%	UK Agarwood		
4	29.38	0.32%	Agarwood Unidentified		
5	29.47	0.28%	Agarwood Unidentified		
6	29.90	0.11%	alpha-Humulene	1461.43	Sesquiterpene
7	29.99	0.22%	Agarwood Unidentified		
8	30.34	0.30%	Agarwood Unidentified		
9	30.48	6.63%	Agarwood Unidentified		
10	30.74	0.27%	Agarwood Unidentified		
11	30.82	0.25%	Agarwood Unidentified		
12	30.92	0.19%	beta-Vetispirene	1492.00	Sesquiterpene
13	30.99	0.10%	Agarwood Unidentified		
14	31.08	0.20%	Agarwood Unidentified		
15	31.17	1.05%	beta-Dihydroagarofuran	1503.00	Sesquiterpene Ether
16	31.32	1.29%	Valencene	1504.00	Sesquiterpene
17	31.72	0.33%	Agarwood Unidentified		
18	32.00	0.31%	Agarwood Unidentified		
19	32.19	0.15%	Agarwood Unidentified		
20	32.36	0.31%	Nerolidol	1567.00	Sesquiterpene
21	32.50	1.25%	Agarwood Unidentified		
22	32.73	0.07%	beta-Vetivenene	1570.05	Sesquiterpene
23	32.89	3.80%	beta-Vetivenene isomer I	1573.30	Sesquiterpene
24	33.00	0.49%	Agarwood Unidentified		
25	33.22	0.10%	beta-Vetivenene isomer II	1585.30	Sesquiterpene
26	33.33	0.93%	Agarwood Unidentified		
27	33.65	1.33%	Agarwood Unidentified		
28	33.80	0.09%	Guaiol	1603.86	Sesquiterpenol
29	33.90	1.14%	gamma-Eudesmol	1608.00	Sesquiterpenol
30	34.07	1.37%	Agarwood Unidentified		
31	34.19	0.43%	Agarwood Unidentified		
32	34.30	0.84%	Agarwood Unidentified		
33	34.40	1.63%	10-epi-gamma-eudesmol	1620.00	Sesquiterpenol
34	34.47	3.23%	Agarwood Unidentified		
35	34.75	4.57%	Agarwood Unidentified		
36	34.87	2.67%	Agarwood Unidentified		
37	35.04	5.05%	Hinesol	1637.50	Sesquiterpenol
38	35.10	3.08%	Agarwood Unidentified		
39	35.31	9.74%	Valerianol	1655.30	Sesquiterpenol
40	35.49	0.79%	Agarwood Unidentified		
41	35.73	3.60%	Agarwood Unidentified		
42	35.82	4.74%	Agarwood Unidentified		
43	35.94	1.07%	Agarwood Unidentified		



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44	36.22	0.19%	Agarwood Unidentified		
45	36.33	0.44%	Agarwood Unidentified		
46	36.44	4.08%	Agarwood Unidentified		
47	36.57	2.61%	Agarwood Unidentified		
48	36.66	1.14%	Agarwood Unidentified		
49	36.74	0.59%	Agarwood Unidentified		
50	36.91	0.64%	Agarwood Unidentified		
51	37.06	0.25%	Agarwood Unidentified		
52	37.12	0.37%	Agarwood Unidentified		
53	37.20	0.22%	Agarwood Unidentified		
54	37.31	0.12%	Agarwood Unidentified		
55	37.50	3.61%	Agarwood Unidentified		
56	37.82	0.91%	Agarwood Unidentified		
57	37.93	0.37%	Agarwood Unidentified		
58	38.05	1.04%	Agarwood Unidentified		
59	38.28	0.33%	Agarwood Unidentified		
60	38.42	0.86%	Agarwood Unidentified		
61	38.95	0.23%	Agarwood Unidentified		
62	39.14	7.73%	epi-Cyclocolorenone?		
63	39.36	0.12%	Agarwood Unidentified		
64	39.55	0.76%	Agarwood Unidentified		
65	39.80	0.33%	Agarwood Unidentified		
66	40.14	0.21%	Agarwood Unidentified		
67	40.87	1.25%	Dihydro-Columellarin isomer		
68	41.13	0.22%	Agarwood Unidentified		
69	41.83	0.20%	Agarwood Unidentified		
70	42.14	0.10%	Agarwood Unidentified		
71	42.57	1.80%	Dihydro-Columellarin	1899.99	Sesquiterpene lactone
72	43.90	0.36%	Agarwood Unidentified		
73	45.14	0.04%	Palmitic acid	1959.00	Fatty Acid
74	46.04	0.06%	Agarwood Unidentified		
75	46.44	0.05%	Agarwood Unidentified		
76	47.21	0.05%	Oleic acid	2134.00	Fatty Acid