CERTIFICATE of ANALYSIS (COA)

COMMON NAME	Agarwood
LATIN NAME	*Aquilaria crassna*
COUNTRY OF ORIGIN	Vietnam
CULTIVATION METHOD	Sustainably harvested
TYPE	Essential Oil
EXTRACTION METHOD	Steam Distilled
PLANT PART	Wood
USE	Aromatherapy, Natural Perfumery, Incense.

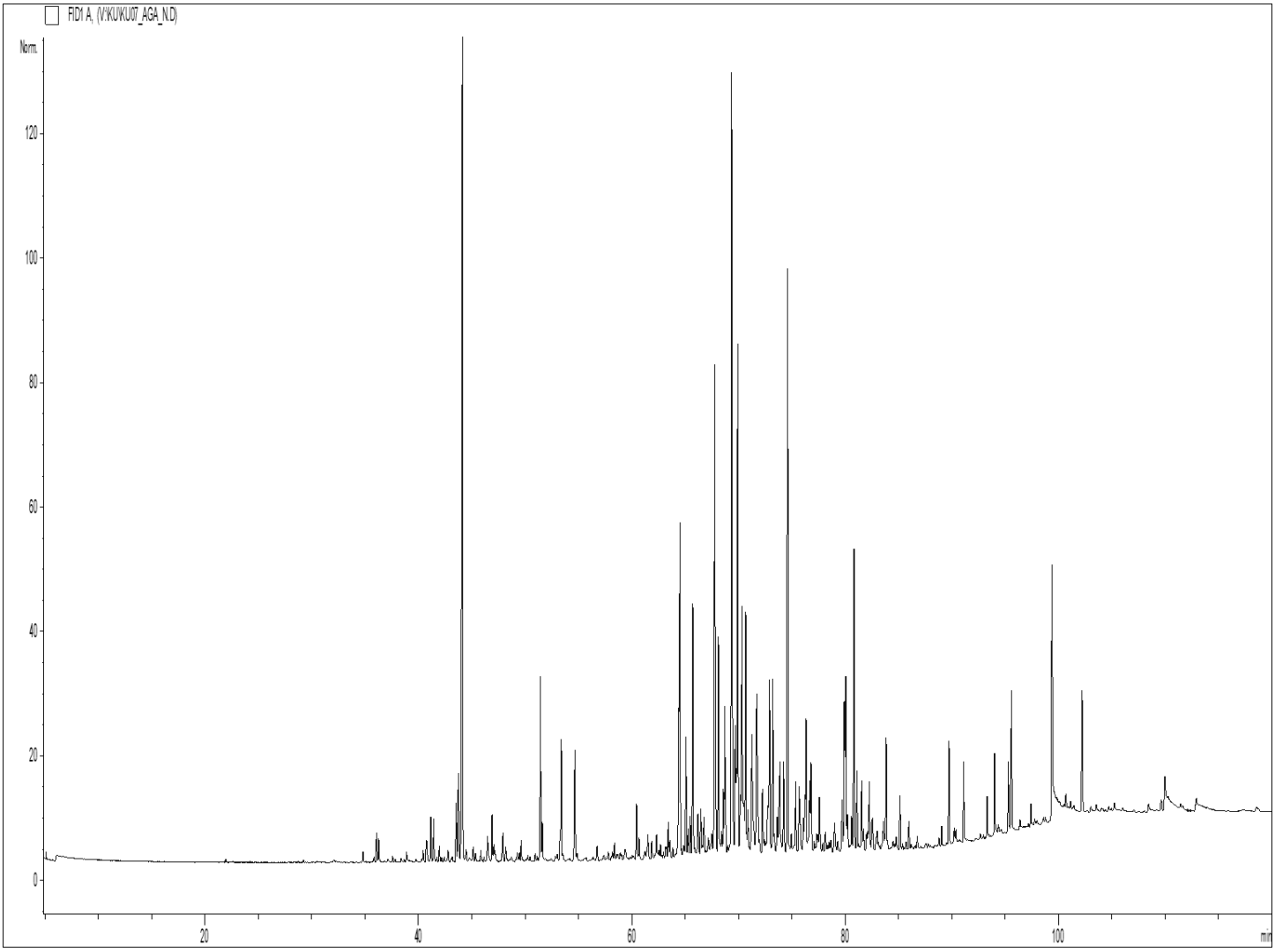
SKU	57
LOT #	16
MANUFACTURING DATE	March 2023
BEST BY DATE	March 2033

	SPECIFICATIONS (Range)	
SPECIFIC GRAVITY @20˚C	0.945-0.961	*na*
REFRACTIVE INDEX @20˚C	1.499-1.510	1.5072
OPTICAL ROTATION @20˚C	*na*	*na*

PHYSICAL APPEARANCE	Transparent, somewhat viscous liquid.	*Conforms*
COLOR	Brown	*Conforms*
ODOR	Deep woody aroma	*Conforms*
SOLUBILITY	Soluble in alcohol and fixed oils	
SPECIAL USE INSTRUCTIONS	Dilute before use	

THIRD PARTY LAB ANALYSIS (GCMS)

CHROMATOGRAPHIC PROFILE :



57 Agarwood

- AGARWOOD EO - SKU 57 LOT 16 -					
Peaks	**RT (min)**	**Compound name**	**%**	**Standard (%)**	**Allergens (%)**
1	34.80	alpha-cis-BERGAMOTENE	0.09		
2	35.83	alpha-trans-BERGAMOTENE	0.05		
3	36.07	alpha-GUAIENE	0.25		
4	36.27	PATCHOULENE ISOMER	0.19		
5	38.89	SESQUITERPENE	0.10		
6	40.44	SESQUITERPENE	0.09		
7	40.73	alpha-HUMULENE	0.14		
8	40.78	COMPOUND Mw=220	0.16		
9	41.16	gamma-SELINENE	0.33		
10	41.42	4,5-di-epi-ARISTOLOCHENE	0.33		
11	41.96	SESQUITERPENE	0.12		
12	42.77	SESQUITERPENE	0.11		
13	43.53	alpha-BULNESENE	0.42		
14	43.74	beta-SELINENE	0.92		
15		alpha-DIHYDRO-AGAROFURAN			
16	44.13	**SESQUITERPENIC OXIDE Mw=220**	**8.23**		
17	44.47	SESQUITERPENE	0.08		
18	45.13	alpha-VETISPIRENE	0.12		
19	45.33	SESQUITERPENE Mw=202	0.07		
20	45.84	AROMATIC COMPOUND	0.08		
21	46.47	delta-SELINENE	0.25		
22	46.90	alpha-CURCUMENE	0.34		
23	47.07	SELINA-3,7-DIENE	0.14		
24	47.16	SESQUITERPENE	0.08		
25	47.91	SESQUITERPENE Mw=202	0.26		
26	48.18	SESQUITERPENE Mw=202	0.12		
27	49.26	AROMATIC COMPOUND	0.08		
28	49.46	AROMATIC COMPOUND	0.08		
29	49.62	AROMATIC COMPOUND	0.16		
30	50.25	AROMATIC COMPOUND	0.06		
31	51.43	2-BUTANONE, 4-PHENYL	1.32		
32	51.60	beta-VETIVENENE	0.30		
33	52.39	COMPOUND Mw=220	0.05		
34	53.02	AROMATIC COMPOUND Mw=173	0.06		
35	53.27	alpha-AGAROFURAN	0.16		
36	53.39	AROMATIC COMPOUND Mw=218	0.87		
37	54.67	AROMATIC COMPOUND Mw=220	0.93		
38	54.86	AROMATIC COMPOUND Mw=220	0.07		
39	56.36	AROMATIC COMPOUND	0.05		
40	56.74	ACID COMPOUND	0.15		
41	57.39	AROMATIC COMPOUND	0.09		
42	57.80	COMPOUND Mw=220	0.09		
43	58.19	AROMATIC COMPOUND	0.05		

- AGARWOOD EO - SKU 57 LOT 16 -					
Peaks	**RT (min)**	**Compound name**	**%**	**Standard (%)**	**Allergens (%)**
44	58.38	COMPOUND Mw=220	0.11		
45	60.44	AROMATIC COMPOUND	0.46		
46	60.68	AROMATIC COMPOUND	0.20		
47	61.24	EPOXY-6,7-HUMULENE	0.12		
48	61.51	SESQUITERPENOL	0.29		
49	61.86	AROMATIC COMPOUND	0.15		
50	62.31	CAPRYLIC ACID	0.24		
51	62.54	SESQUITERPENOL	0.06		
52	63.24	AROMATIC COMPOUND	0.08		
53	63.42	ELEMOL	0.25		
54	63.57	VIRIDIFLOROL	0.14		
55	63.85	GUAIOL	0.07		
56	64.41	SESQUITERPENOL	1.03		
57	64.51	**10-epi-gamma-EUDESMOL**	**2.70**		
58	64.85	AROMATIC COMPOUND	0.11		
59	65.08	COMPOUND Mw=220	0.86		
60	65.28	SESQUITERPENOL	0.18		
61	65.46	SESQUITERPENOL	0.27		
62	65.72	SANTALOL ISOMER	2.14		
63	66.20	AROMATIC COMPOUND	0.33		
64	66.25	SESQUITERPENOL	0.09		
65	66.46	SESQUITERPENONE Mw=218	0.37		
66	66.61	SESQUITERPENOL	0.06		
67	66.76	SESQUITERPENOL	0.31		
68	67.17	AROMATIC COMPOUND	0.15		
69	67.49	AROMATIC COMPOUND	0.23		
70	67.78	**gamma-EUDESMOL**	**3.80**		
71	67.87	SESQUITERPENOL	0.29		
72	68.11	HINESOL	1.73		
73	68.41	COMPOUND Mw=166	0.17		
74	68.58	HINESOL ISOMER	0.46		
75	68.71	SESQUITERPENOL	1.33		
76	69.36	**SESQUITERPENOL**	**7.32**		
77	69.69	SESQUITERPENONE Mw=218	0.98		
78	69.80	SESQUITERPENOL	0.41		
79	69.93	**VALERIANOL**	**4.01**		
80	70.18	SESQUITERPENOL	0.33		
81	70.33	alpha-EUDESMOL	2.02		
82	70.44	SESQUITERPENOL	0.26		
83	70.67	beta-EUDESMOL	1.55		
84	70.88	AROMATIC COMPOUND	0.23		
85	71.26	AROMATIC COMPOUND	1.48		
86	71.70	SESQUITERPENIC OXIDE	2.12		

- AGARWOOD EO - SKU 57 LOT 16 -					
Peaks	**RT (min)**	**Compound name**	**%**	**Standard (%)**	**Allergens (%)**
87	71.95	SESQUITERPENONE	0.13		
88	72.39	SESQUITERPENONE	0.05		
89	72.73	COMPOUND Mw=220	0.30		
90	72.91	AROMATIC COMPOUND Mw=220	1.63		
91	73.21	COMPOUND Mw=218	1.42		
92	73.34	SESQUITERPENOL	0.13		
93	73.62	SESQUITERPENOL	0.29		
94	73.79	SESQUITERPENOL	0.25		
95	73.87	SESQUITERPENOL	0.72		
96	74.22	SESQUITERPENOL	0.69		
97	74.60	**AROMATIC COMPOUND**	**4.76**		
98	74.94	SESQUITERPENIC OXIDE	0.11		
99	75.36	SESQUITERPENIC OXIDE	0.54		
100	75.69	SESQUITERPENONE Mw=218	0.61		
101	75.77	SESQUITERPENIC OXIDE	0.17		
102	76.08	COMPOUND Mw=220	0.13		
103	76.23	SESQUITERPENONE Mw=218	0.24		
104	76.33	COMPOUND Mw=220	0.91		
105	76.68	SESQUITERPENONE	0.60		
106	76.80	SESQUITERPENIC OXIDE	0.74		
107	77.09	AROMATIC COMPOUND	0.06		
108	77.34	AROMATIC COMPOUND	0.11		
109	77.44	AROMATIC COMPOUND	0.13		
110	77.58	AROMATIC COMPOUND	0.46		
111	77.66	SESQUITERPENIC OXIDE	0.07		
112	77.90	SESQUITERPENIC OXIDE	0.07		
113	78.14	SESQUITERPENIC OXIDE	0.18		
114	78.34	AROMATIC COMPOUND	0.06		
115	78.49	AROMATIC COMPOUND	0.09		
116	78.67	AROMATIC COMPOUND	0.15		
117	79.01	COMPOUND Mw=220	0.35		
118	79.29	SESQUITERPENIC OXIDE	0.11		
119	79.71	SESQUITERPENIC OXIDE	0.36		
120	79.91	SESQUITERPENOL Mw=220	1.39		
121	80.05	SESQUITERPENOL Mw=220	1.19		
122	80.21	AROMATIC COMPOUND	0.14		
123	80.59	AROMATIC COMPOUND	0.26		
124	80.83	DEHYDROFUKINONE Mw=218	2.45		
125	81.10	SESQUITERPENIC OXIDE	0.62		
126	81.55	SESQUITERPENIC OXIDE	0.54		
127	81.72	AROMATIC COMPOUND	0.18		
128	82.01	AROMATIC COMPOUND	0.14		
129	82.14	AROMATIC COMPOUND	0.14		

- AGARWOOD EO - SKU 57 LOT 16 -					
Peaks	**RT (min)**	**Compound name**	**%**	**Standard (%)**	**Allergens (%)**
130	82.25	SESQUITERPENIC OXIDE	0.58		
131	82.56	HYDROXY AROMATIC KETONE Mw=234	0.39		
132	83.00	LAURIC ACID	0.25		
133	83.58	AROMATIC COMPOUND	0.32		
134	83.84	SESQUITERPENOL	1.06		
135	84.49	SESQUITERPENIC OXIDE	0.10		
136	84.79	SESQUITERPENIC OXIDE	0.14		
137	85.14	AROMATIC COMPOUND	0.46		
138	85.70	SESQUITERPENIC OXIDE	0.07		
139	85.97	AROMATIC COMPOUND	0.22		
140	86.76	SESQUITERPENIC OXIDE	0.11		
141	87.56	ACID COMPOUND	0.08		
142	88.80	AROMATIC COMPOUND	0.10		
143	89.05	AROMATIC COMPOUND	0.16		
144	89.73	DIHYDROCOLUMELLARINE	0.89		
145	90.23	AROMATIC COMPOUND	0.16		
146	90.38	AROMATIC COMPOUND	0.13		
147	91.10	MYRISTIC ACID	0.62		
148	92.67	HYDROXY AROMATIC KETONE Mw=234	0.06		
149	92.96	HYDROXY AROMATIC KETONE Mw=234	0.05		
150	93.31	ACID COMPOUND	0.31		
151	94.01	ACID COMPOUND	0.67		
152	94.36	AROMATIC COMPOUND	0.11		
153	95.29	ACID COMPOUND	0.57		
154	95.58	DIHYDROCOLUMELLARIN ISOMER	1.23		
155	96.39	ALIPHATIC COMPOUND	0.08		
156	97.42	ACID COMPOUND	0.20		
157	97.77	AROMATIC COMPOUND	0.07		
158	97.97	DIHYDROCOLUMELLARIN ISOMER	0.06		
159	99.39	PALMITIC ACID	2.41		
160	100.69	PALMITOLEIC ACID	0.11		
161	102.20	3-PENTANONE-1,5-DIPHENYL	1.19		
162	103.03	ACID COMPOUND	0.10		
163	103.54	AROMATIC COMPOUND	0.11		
164	105.24	AROMATIC COMPOUND	0.09		
165	109.62	AROMATIC COMPOUND	0.14		
166	109.96	AROMATIC COMPOUND	0.44		
		TOTAL	**94.59**		**-**

This Essential Oil is a 100% pure and natural product and does not contain any artificial ingredients or adulteration of any kind to the best of our knowledge. The analysis and statements herein constitute the most complete information available to Eden Botanicals. This product is guaranteed by Eden Botanicals to be of excellent quality.

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