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.

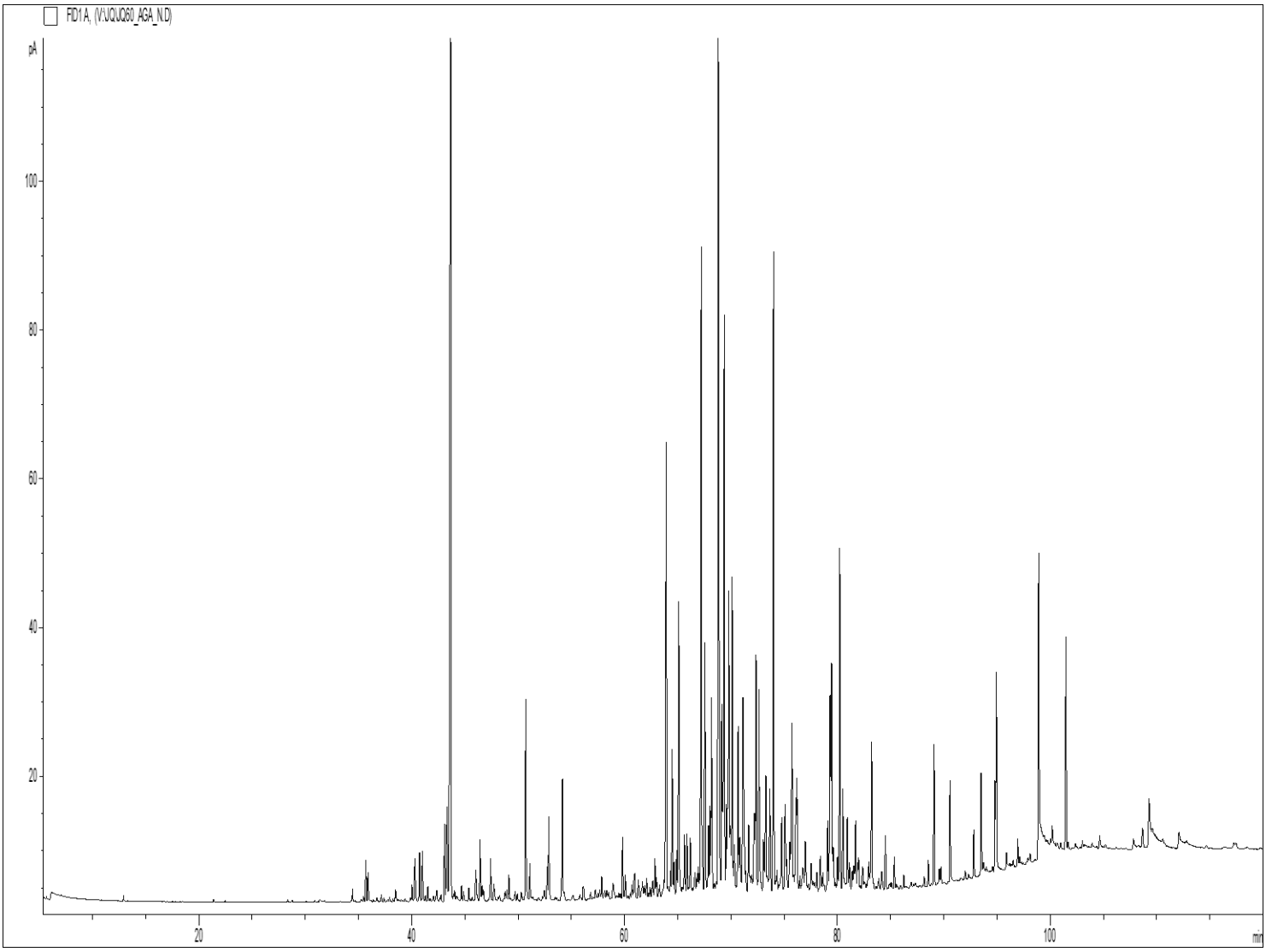
SKU	57
LOT #	14
MANUFACTURING DATE	June 2022
BEST BY DATE	June 2027

	SPECIFICATIONS (Range)	
SPECIFIC GRAVITY @20˚C	*na*	*na*
REFRACTIVE INDEX @20˚C	*na*	1.5064
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:



- AGARWOOD EO - SKU 57 LOT 14 -					
Peaks	**RT (min)**	**Compound name**	**%**	**Standard (%)**	**Allergens (%)**
1	34,43	alpha-cis-BERGAMOTENE	0,09		
2	35,68	alpha-GUAIENE	0,27		
3	35,90	PATCHOULENE ISOMER	0,20		
4	37,14	COMPOUND OXYGENED	0,05		
5	38,47	BUTYL PHENYL PROPANONE Mw=190	0,10		
6	40,03	SESQUITERPENE	0,10		
7	40,31	alpha-HUMULENE	0,32		
8	40,74	delta-SELINENE	0,30		
9	41,00	SESQUITERPENE	0,33		
10	41,53	SESQUITERPENE	0,11		
11	42,04	SESQUITERPENE	0,05		
12	42,35	SESQUITERPENE	0,12		
13	42,75	EREMOPHILENE	0,05		
14	43,09	alpha-BULNESENE	0,45		
15	43,25	beta-SELINENE	0,34		
16		alpha-SELINENE			
17	43,31	alpha-DIHYDRO-AGAROFURAN	0,54		
18	43,65	**SESQUITERPENIC OXIDE Mw=220**	**8,07**		
19	44,04	SESQUITERPENIC OXIDE	0,05		
20	44,68	SESQUITERPENE Mw=202	0,10		
21	44,87	COMPOUND Mw=220	0,07		
22	45,37	1,1,3-TRIMETHYLINDAN Mw=160	0,08		
23	46,03	COMPOUND Mw=220	0,24		
24	46,42	alpha-CURCUMENE	0,35		
25	46,62	COMPOUND Mw=220	0,10		
26	46,74	delta-CADINENE	0,10		
27	47,42	COMPOUND Mw=220	0,31		
28	47,73	SESQUITERPENIC OXIDE	0,13		
29	48,79	SESQUITERPENE Mw=202	0,08		
30	48,96	SESQUITERPENIC OXIDE	0,08		
31	49,13	AROMATIC COMPOUND	0,16		
32	49,73	TERPENIC COMPOUND	0,07		
33	50,28	CAPROIC ACID	0,06		
34	50,72	2-BUTANONE, 4-PHENYL	1,26		
35	51,11	SESQUITERPENE Mw=202	0,22		
36	52,46	AROMATIC COMPOUND Mw=173	0,09		
37	52,75	alpha-AGAROFURAN	0,20		
38	52,89	AROMATIC COMPOUND Mw=218	0,56		
39	54,07	SESQUITERPENE Mw=202	0,05		
40	54,17	AROMATIC COMPOUND Mw=220	0,79		
41	54,31	AROMATIC COMPOUND Mw=220	0,08		
42	56,11	HEPTANOIC ACID	0,15		
43	57,27	COMPOUND Mw=220	0,07		

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Peaks	**RT (min)**	**Compound name**	**%**	**Standard (%)**	**Allergens (%)**
44	57,67	AROMATIC COMPOUND	0,05		
45	57,86	COMPOUND Mw=220	0,14		
46	58,14	AROMATIC COMPOUND	0,06		
47	58,34	AROMATIC COMPOUND	0,05		
48	58,92	COMPOUND Mw=220	0,18		
49	59,82	AROMATIC COMPOUND Mw=222	0,39		
50	60,08	AROMATIC COMPOUND	0,16		
51	60,69	epoxy-6,7-HUMULENE	0,09		
52	60,96	AROMATIC COMPOUND	0,30		
53	61,30	AROMATIC COMPOUND	0,14		
54	61,69	OCTANOIC ACID	0,12		
55	61,90	AROMATIC COMPOUND	0,10		
56	62,08	AROMATIC COMPOUND	0,12		
57	62,40	AROMATIC COMPOUND	0,05		
58	62,66	AROMATIC COMPOUND	0,16		
59	62,86	SESQUITERPENOL	0,25		
60	63,01	SESQUITERPENOL	0,12		
61	63,30	GUAIOL	0,09		
62	63,72	SESQUITERPENOL	0,09		
63	63,88	SESQUITERPENOL	1,07		
64	63,92	10-epi-gamma-EUDESMOL	2,47		
65	64,32	AROMATIC COMPOUND	0,12		
66	64,48	COMPOUND Mw=220	0,88		
67	64,66	DRIMENOL ISOMER	0,21		
68	64,91	COMPOUND Mw=220	0,29		
69	65,10	SANTALOL ISOMER	2,13		
70	65,64	SESQUITERPENOL	0,41		
71	65,88	SESQUITERPENONE Mw=218	0,34		
72	66,18	SESQUITERPENOL	0,37		
73	66,63	SESQUITERPENOL	0,15		
74	66,80	SESQUITERPENIC EPOXIDE Mw=218	0,06		
75	66,92	SESQUITERPENIC EPOXIDE Mw=218	0,14		
76	67,03	AROMATIC COMPOUND	0,07		
77	67,22	**gamma-EUDESMOL**	**4,21**		
78	67,28	SESQUITERPENOL	0,28		
79	67,56	HINESOL	1,58		
80	68,04	SESQUITERPENOL	0,49		
81	68,18	SESQUITERPENOL	1,38		
82	68,82	**SESQUITERPENOL**	**6,97**		
83	69,15	SESQUITERPENONE Mw=218	1,17		
84	69,25	BULNESOL	0,37		
85	69,38	**VALERIANOL**	**3,62**		
86	69,58	SESQUITERPENOL	0,44		

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Peaks	**RT (min)**	**Compound name**	**%**	**Standard (%)**	**Allergens (%)**
87	69,69	SESQUITERPENOL	0,42		
88	69,80	alpha-EUDESMOL	1,83		
89	69,93	SESQUITERPENOL	0,53		
90	70,13	beta-EUDESMOL	1,94		
91	70,32	SESQUITERPENIC OXIDE	0,27		
92	70,69	SESQUITERPENONE Mw=218	0,50		
93	70,75	AROMATIC COMPOUND	0,60		
94	70,84	SESQUITERPENOL	0,37		
95	71,14	COMPOUND Mw=220	1,54		
96	71,21	COMPOUND Mw=220	0,53		
97	71,38	SESQUITERPENOL	0,13		
98	71,67	SESQUITERPENIC OXIDE	0,48		
99	71,82	SESQUITERPENIC OXIDE	0,05		
100	72,22	SESQUITERPENIC OXIDE	0,65		
101	72,36	AROMATIC COMPOUND Mw=220	1,48		
102	72,64	SESQUITERPENONE Mw=218	1,40		
103	73,06	CHROMONE COMPOUND Mw=162	0,34		
104	73,29	SESQUITERPENOL	0,92		
105	73,65	AROMATIC COMPOUND	0,71		
106	74,01	**AROMATIC COMPOUND**	**3,98**		
107	74,34	SESQUITERPENOL	0,13		
108	74,77	SESQUITERPENOL	0,55		
109	75,10	SESQUITERPENIC OXIDE	0,66		
110	75,23	AROMATIC COMPOUND	0,20		
111	75,53	SESQUITERPENONE Mw=218	0,31		
112	75,74	AROMATIC COMPOUND	1,32		
113	76,11	SESQUITERPENONE Mw=218	0,59		
114	76,20	SESQUITERPENIC OXIDE	0,74		
115	76,49	HYDROXY AROMATIC KETONE Mw=218	0,07		
116	76,74	HYDROXY AROMATIC KETONE Mw=218	0,11		
117	76,81	COMPOUND Mw=218	0,10		
118	76,99	SESQUITERPENIC OXIDE	0,42		
119	77,54	SESQUITERPENOL	0,25		
120	77,73	COMPOUND Mw=218	0,07		
121	77,87	SESQUITERPENONE	0,07		
122	78,08	SESQUITERPENIC OXIDE	0,15		
123	78,41	GLAUCYL ALCOHOL Mw=220	0,32		
124	78,64	COMPOUND Mw=220	0,13		
125	79,09	COMPOUND Mw=220	0,43		
126	79,31	SESQUITERPENOL Mw=220	1,61		
127	79,46	SESQUITERPENOL Mw=220	1,52		
128	79,61	SESQUITERPENOL Mw=220	0,29		
129	80,01	SESQUITERPENOL Mw=220	0,23		

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Peaks	**RT (min)**	**Compound name**	**%**	**Standard (%)**	**Allergens (%)**
130	80,22	DEHYDROFUKINONE Mw=218	2,26		
131	80,51	AROMATIC COMPOUND	0,67		
132	80,94	SESQUITERPENIC OXIDE	0,45		
133	81,14	AROMATIC COMPOUND	0,17		
134	81,39	AROMATIC COMPOUND	0,11		
135	81,55	HYDROXY AROMATIC KETONE Mw=234	0,18		
136	81,71	LAURIC ACID	0,41		
137	81,89	AROMATIC COMPOUND	0,12		
138	81,99	AROMATIC COMPOUND	0,19		
139	82,38	AROMATIC COMPOUND	0,20		
140	82,53	NOOTKATONE	0,07		
141	82,95	AROMATIC COMPOUND	0,21		
142	83,22	SESQUITERPENIC OXIDE	1,17		
143	83,89	AROMATIC COMPOUND	0,11		
144	84,17	SESQUITERPENIC OXIDE	0,18		
145	84,51	COMPOUND Mw=216	0,39		
146	85,35	SESQUITERPENOL Mw=220	0,21		
147	86,23	TRIDECANOIC ACID	0,10		
148	86,93	AROMATIC COMPOUND	0,05		
149	88,16	AROMATIC COMPOUND	0,08		
150	88,54	TETRADECANOIC ACID	0,17		
151	89,09	DIHYDROCOLUMELLARINE	1,00		
152	89,57	AROMATIC COMPOUND	0,11		
153	89,74	HYDROXY AROMATIC KETONE Mw=234	0,12		
154	90,59	PENTADECANOIC ACID	0,71		
155	92,01	HYDROXY AROMATIC KETONE Mw=234	0,07		
156	92,82	ACID COMPOUND	0,33		
157	93,51	ACID COMPOUND	0,69		
158	93,73	HYDROXY AROMATIC KETONE Mw=234	0,10		
159	94,81	ACID COMPOUND	0,54		
160	94,94	DIHYDROCOLUMELLARIN ISOMER	1,47		
161	96,95	ACID COMPOUND	0,19		
162	98,11	DIHYDROCOLUMELLARIN ISOMER	0,07		
163	98,92	**PALMITIC ACID**	**2,56**		
164	100,19	ACID COMPOUND	0,18		
165	101,47	3-PENTANONE-1,5-DIPHENYL	1,49		
166	101,69	ACID COMPOUND	0,07		
167	102,37	AROMATIC COMPOUND	0,07		
168	103,03	AROMATIC COMPOUND	0,05		
169	103,94	AROMATIC COMPOUND	0,06		
170	104,65	AROMATIC COMPOUND	0,15		
171	105,20	AROMATIC COMPOUND	0,07		
172	107,83	AROMATIC COMPOUND	0,16		

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Peaks	**RT (min)**	**Compound name**	**%**	**Standard (%)**	**Allergens (%)**
173	108,68	AROMATIC COMPOUND	0,21		
174	109,29	ACID COMPOUND	0,56		
175	112,11	AROMATIC COMPOUND	0,23		
		TOTAL	**96,42**		**0,00**

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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