



CERTIFICATE of ANALYSIS (COA)

COMMON NAME	Amyris
LATIN NAME	<i>Amyris balsamifera</i>
COUNTRY OF ORIGIN	Dominican Republic
CULTIVATION METHOD	Wild Grown
TYPE	Essential Oil
EXTRACTION METHOD	Steam Distilled
PLANT PART	Wood
USE	Aromatherapy, Natural Perfumery

SKU	70
LOT #	18
MANUFACTURING DATE	February 2023
BEST BY DATE	February 2033

	SPECIFICATIONS (Range)	
SPECIFIC GRAVITY @25°C	0.946 – 0.978	<i>na</i>
REFRACTIVE INDEX @20°C	1.502 – 1.512	1.5097
OPTICAL ROTATION @20°C	+20° to +45°	+25°

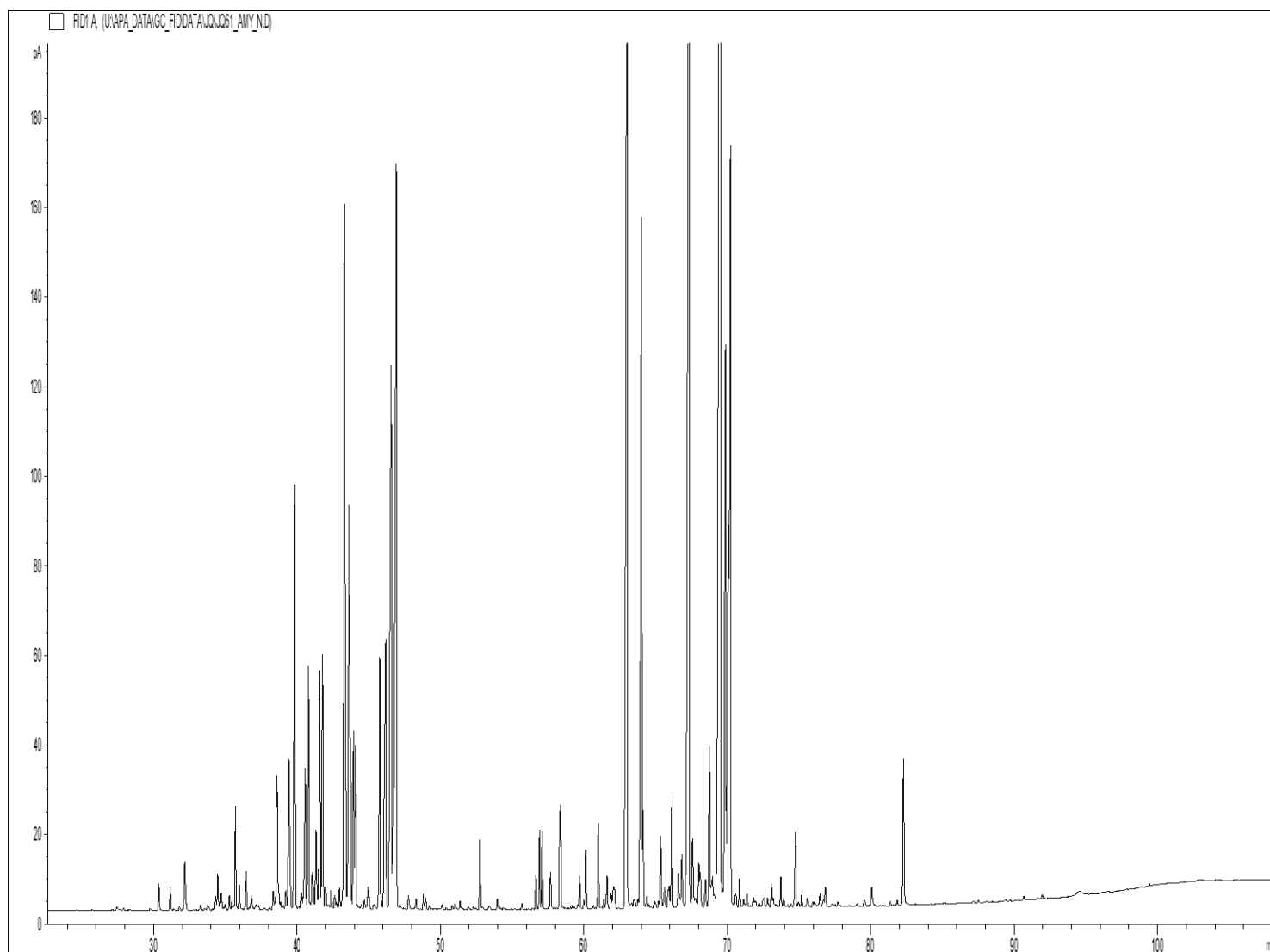
PHYSICAL APPEARANCE	Transparent liquid	<i>Conforms</i>
COLOR	Yellow to brown	<i>Conforms</i>
ODOR	Soft, woody, sweet-balsamic aroma.	<i>Conforms</i>
SOLUBILITY	Soluble in alcohol and fixed oils	
SPECIAL USE INSTRUCTIONS	Dilute before use	

PRIMARY CONSTITUENTS	Valerianol, Gamma-Eudesmol, Elemol.
----------------------	-------------------------------------

COMMENTS	Odor quality is excellent
----------	---------------------------

THIRD PARTY LAB ANALYSIS (GCMS)

CHROMATOGRAPHIC PROFILE:



- AMYRIS EO - SKU 70 LOT 18 -

Peaks	RT (min)	Compound name	%	Standard (%)	Allergens (%)
1	27,43	FURFURAL	0,03		
2	30,37	1,3,7,7-TETRAMETHYL-BICYCLO-3-DECENE	0,13		
3	31,16	SESQUITERPENE	0,11		
4	31,79	AROMATIC COMPOUND	0,02		
5	32,17	SESQUITERPENE	0,31		
6	33,27	SESQUITERPENE	0,04		
7	33,76	BERGAMOTENE ISOMERE	0,03		
8	33,84	5-METHYL-2-FURFURAL	0,02		
9	34,33	alpha-CEDRENE	0,07		
10	34,47	MODHEPHENE	0,19		
11	34,71	alpha-SANTALENE	0,13		
12	34,90	SESQUITERPENE	0,02		
13	35,00	SESQUITERPENE	0,03		
14	35,29	SESQUITERPENE	0,08		
15	35,47	alpha-trans-BERGAMOTENE	0,05		
16	35,57	SESQUITERPENE	0,02		
17	35,71	beta-ELEMENE	0,50		
18	35,97	beta-CARYOPHYLLENE	0,15		
19	36,45	GURJUNENE ISOMER	0,20		
20	36,81	SESQUITERPENE	0,10		
21	37,14	COPACAMPHENE	0,04		
22	37,30	THUYOPSENE	0,04		
23	37,74	COMPOUND Mw=152	0,02		
24	38,34	epi-beta-SANTALENE	0,10		
25	38,46	SESQUITERPENE	0,03		
26	38,60	GURJUNENE ISOMER	0,82		
27	38,69	SESQUITERPENE	0,10		
28	38,84	SESQUITERPENE	0,05		
29	39,04	ZONARENE	0,04		
30	39,22	beta-SANTALENE	0,12		
31	39,43	CURCUMENE ISOMER	1,08		
32	39,85	alpha-ACORADIENE	2,44		
33	40,32	alpha-HUMULENE	0,09		
34	40,56	beta-ACORADIENE	0,94		
35	40,80	gamma-SELINENE	1,28		
36	41,05	trans-VERBENOL	0,22		
37	41,11	SESQUITERPENE	0,11		
38	41,33	SESQUITERPENE	0,49		
39	41,58	SELINENE ISOMER	1,19		
40	41,77	gamma-CURCUMENE	1,58		
41	41,99	SESQUITERPENE	0,15		
42	42,38	SESQUITERPENE	0,13		
43	42,62	SESQUITERPENE Mw=202	0,09		

- AMYRIS EO - SKU 70 LOT 18 -

Peaks	RT (min)	Compound name	%	Standard (%)	Allergens (%)
44	42,75	SESQUITERPENE	0,05		
45	42,95	CADINENE ISOMER	0,13		
46	43,31	VALENCENE	3,80		
47	43,35	beta-DIHYDRO-AGAROFURAN	0,75		
48	43,62	alpha-ZINGIBERENE	2,55		
49		alpha-SELINENE			
50	43,75	alpha-DIHYDRO-AGAROFURAN	0,87		
51	43,95	beta-BISABOLENE	0,91		
52	44,08	SESQUITERPENE	0,81		
53	44,50	SESQUITERPENE Mw=202	0,04		
54	44,69	beta-CURCUMENE	0,07		
55	44,94	AROMATIC COMPOUND	0,20		
56	45,32	SESQUITERPENE	0,03		
57	45,41	SESQUITERPENE	0,04		
58	45,77	7-epi-alpha-SELINENE	1,38		
59	46,17	delta-SELINENE	2,21		
60	46,56	beta-SESQUIPHELLANDRENE	4,15		
61		alpha-CURCUMENE			
62	46,92	alpha-PANASINSEN	6,35		
63	47,17	AROMATIC COMPOUND	0,05		
64	47,76	OXYGENED SESQUITERPENE Mw=220	0,10		
65	48,29	OXYGENED SESQUITERPENE Mw=220	0,08		
66	48,81	AROMATIC COMPOUND	0,09		
67	48,97	AROMATIC COMPOUND	0,06		
68	49,21	SESQUITERPENOL	0,02		
69	50,11	AROMATIC COMPOUND	0,03		
70	50,80	OXYGENED SESQUITERPENE Mw=220	0,02		
71	51,00	gamma-VETIVENENE	0,04		
72	51,37	OXYGENED SESQUITERPENE Mw=220	0,06		
73	51,93	AROMATIC COMPOUND	0,03		
74	52,30	AROMATIC COMPOUND	0,02		
75	52,75	alpha-AGAROFURAN	0,36		
76	52,94	SESQUITERPENOL	0,02		
77	53,38	alpha-CALACORENE	0,04		
78	53,96	VETIVENENE ISOMER	0,06		
79	54,09	AROMATIC COMPOUND	0,03		
80	55,68	beta-CALACORENE	0,04		
81	56,65	EUDESMATRIENE ISOMER	0,17		
82	56,90	MONOCYCLONEROLIDOL	0,37		
83	57,08	MONOCYCLONEROLIDOL ISOMER	0,36		
84	57,67	SESQUITERPENIC OXIDE	0,20		
85	58,35	AROMATIC ALCOHOL	0,80		
86	59,20	SESQUITERPENOL	0,02		

- AMYRIS EO - SKU 70 LOT 18 -

Peaks	RT (min)	Compound name	%	Standard (%)	Allergens (%)
87	59,57	AROMATIC COMPOUND	0,02		
88	59,70	SESQUITERPENOL	0,15		
89	59,99	SESQUITERPENOL	0,05		
90	60,13	SESQUITERPENOL	0,28		
91	60,64	SESQUITERPENOL	0,02		
92	61,00	NEROLIDOL	0,44		
93	61,20	SESQUITERPENOL	0,02		
94	61,38	SESQUITERPENOL	0,05		
95	61,61	EUDESMOL ISOMER	0,20		
96	61,89	JUNEOL	0,10		
97	62,07	SESQUITERPENOL	0,18		
98	62,14	SESQUITERPENOL	0,08		
99	63,00	ELEMOL	7,70	5.0 - 15.0	
100	63,32	AROMATIC COMPOUND	0,04		
101	63,49	GUAJOL	0,09		
102	63,76	SESQUITERPENOL	0,05		
103	64,01	10-epi-gamma-EUDESMOL	4,42		
104	64,11	EUDESMOL ISOMER	0,45		
105	64,40	SESQUITERPENOL	0,08		
106	64,89	EUDESMOL ISOMER	0,05		
107	65,21	SESQUITERPENOL	0,04		
108	65,35	SESQUITERPENOL	0,38		
109	65,63	EUDESMOL ISOMER	0,15		
110	65,94	SESQUITERPENOL	0,20		
111	66,13	beta-COPAEN-4-alpha-OL	0,60		
112	66,58	SESQUITERPENIC OXIDE	0,27		
113	66,82	SESQUITERPENONE	0,35		
114	67,32	gamma-EUDESMOL	9,73	4.0 - 12.0	
115	67,58	AGAROSPIROL	0,42		
116	67,78	SESQUITERPENOL	0,08		
117	68,01	alpha-MUUROLOL	0,24		
118	68,11	HINESOL	0,22		
119	68,48	AGAROSPIROL ISOMER	0,18		
120	68,75	SESQUITERPENOL	0,95		
121	68,96	SESQUITERPENOL	0,29		
122	69,52	VALERIANOL	15,53	15.0 - 35.0	
123	69,87	alpha-EUDESMOL	3,91	3.0 - 9.0	
124	70,08	7-epi-alpha-EUDESMOL	2,73		
125	70,21	beta-EUDESMOL	4,64	2.5 - 11.0	
126	70,58	AROMATIC COMPOUND Mw=238	0,10		
127	70,85	AROMATIC COMPOUND	0,16		
128	71,14	AROMATIC COMPOUND	0,06		
129	71,37	EUDESMA-7(11)-EN-4-OL	0,09		

- AMYRIS EO - SKU 70 LOT 18 -

Peaks	RT (min)	Compound name	%	Standard (%)	Allergens (%)
130	71,81	SESQUITERPENONE	0,06		
131	71,90	AROMATIC COMPOUND	0,03		
132	71,98	AROMATIC COMPOUND	0,04		
133	72,21	SESQUITERPENONE	0,04		
134	72,54	EPOXY-OXYGENED COMPOUND Mw=238	0,09		
135	72,79	SESQUITERPENOL	0,07		
136	73,08	SESQUITERPENIC OXIDE	0,12		
137	73,19	JUNIPER CAMPHOR	0,06		
138	73,73	AROMATIC COMPOUND	0,16		
139	73,93	EPOXY-OXYGENED COMPOUND Mw=238	0,06		
140	74,74	SESQUITERPENOL	0,42		
141	74,96	AROMATIC COMPOUND	0,04		
142	75,17	SESQUITERPENIC OXIDE	0,08		
143	75,58	AROMATIC COMPOUND	0,07		
144	75,97	E,E-FARNESOL	0,03		0,03
145	76,08	ZINGIBERENOL	0,04		
146	76,45	SESQUITERPENOL	0,09		
147	76,69	SESQUITERPENOL	0,05		
148	76,82	SESQUITERPENIC OXIDE	0,12		
149	77,36	SESQUITERPENONE	0,03		
150	77,71	AROMATIC COMPOUND	0,03		
151	79,55	SESQUITERPENOL	0,05		
152	80,07	AROMATIC COMPOUND	0,13		
153	81,36	AROMATIC COMPOUND	0,02		
154	81,85	SESQUITERPENOL	0,04		
155	82,27	DRIMENOL	0,93	0.70 - 5.0	
156	87,18	PHENOLIC COMPOUND	0,02		
157	89,38	AROMATIC COMPOUND	0,02		
158	90,66	AROMATIC COMPOUND	0,04		
159	91,95	AROMATIC COMPOUND	0,03		
		TOTAL	99,49		0,03

This Essential Oil is a 100% pure and natural product. It 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.

Eden Botanicals

www.edenbotanicals.com

info@edenbotanicals.com

T: 1-707-509-0041 / F: 1-707-949-2526

Document created: 04.26.18

Document updated: 01.16.25