



CERTIFICATE of ANALYSIS (COA)

COMMON NAME	Ambrette Seed CO2
LATIN NAME	<i>Abelmoschus moschatus</i>
COUNTRY OF ORIGIN	Peru
CULTIVATION METHOD	Conventional
TYPE	CO2 Select Extract
EXTRACTION METHOD	Supercritical Fluid Extraction
PLANT PART	Seeds
USE	Aromatherapy, Natural Perfumery/Incense

SKU	65
LOT #	17
MANUFACTURING DATE	January 2019
BEST BY DATE	January 2024

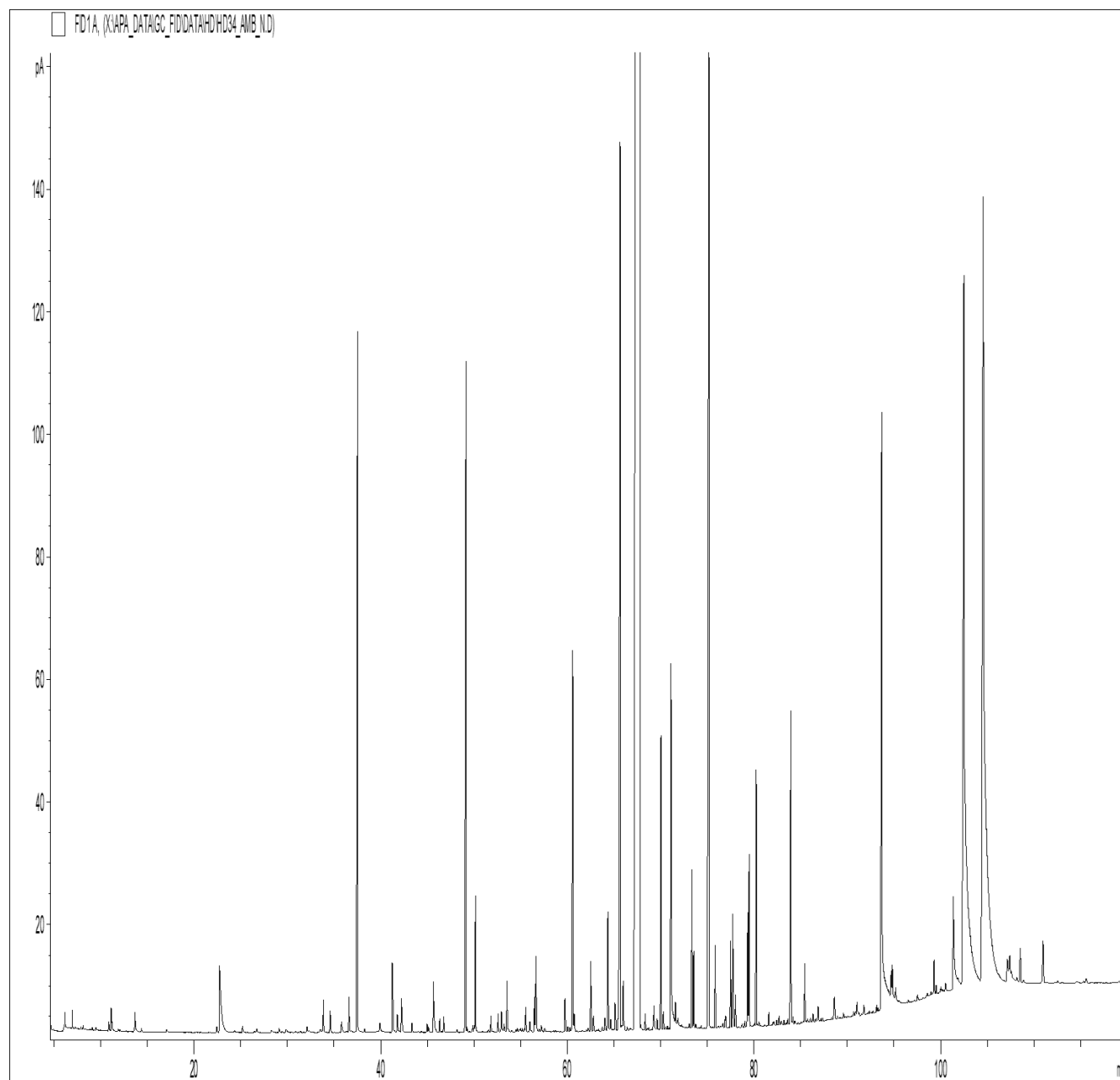
	SPECIFICATIONS (Range)	
SPECIFIC GRAVITY @20°C	0.885 – 0.913	0.9062
REFRACTIVE INDEX @20°C	1.4690 – 1.4721	1.4697
OPTICAL ROTATION @20°C	na	na

PHYSICAL APPEARANCE	Transparent liquid	Conforms
COLOR	Pale yellow	Conforms
ODOR	Nutty, seed-like, musky-floral with leather and animalic notes.	Conforms
SOLUBILITY	Soluble in alcohol and fixed oils	
SPECIAL USE INSTRUCTIONS	Dilute before use	

PRIMARY CONSTITUENTS	Farnesyl Acetate, Dodecyl Acetate, Decyl Acetate.
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CONTENT OF ESSENTIAL OIL	70 - 95 %	70.2 %
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Chromatographic profile:



Identification results: AMBRETTE SEED CO2 FINE - BATCH N° 65 LOT 17

Peaks	RT (min)	Compound name	%	Norm (%)	Allergens (%)
1	6,18	alpha-PINENE	0,03		
2	6,96	CAMPHENE	0,03		
3	10,86	LIMONENE	0,03		0,03
4	11,12	1,8-CINEOLE	0,05		
5	11,20	beta-PHELLANDRENE	0,03		
6	13,67	p-CYMENE	0,07		
7	17,06	5-HEPTEN-2-ONE, 6-METHYL-	0,01		
8	22,46	HEXYL 2-METHYLBUTYRATE	0,02		
9	22,74	ACETIC ACID	0,55		
10	25,21	OCTYL ACETATE	0,02		
11	26,73	CAMPHOR	0,02		
12	28,29	PROPANOIC ACID	0,01		
13	29,14	LINALOOL	0,02		0,02
14	29,87	PROPANOIC ACID, 2-METHYL-	0,02		
15	32,12	SESQUITERPENE	0,02		
16	33,61	BUTANOIC ACID	0,02		
17	33,87	OCTYL BUTYRATE	0,09		
18	34,60	OCTYL 2-METHYLBUTYRATE	0,06		
19	35,82	ISOVALERIANIC ACID	0,05		
20	36,62	E-beta-FARNESENE	0,10		
21	37,53	DECYL ACETATE	2,22		
22	39,94	beta-BISABOLENE	0,04		
23	41,26	E,E-alpha-FARNESENE	0,26		
24	41,79	1-DECANOL	0,07		
25	42,24	alpha-CURCUMENE	0,12		
26	43,37	ALIPHATIC ESTER	0,02		
27	44,98	ALIPHATIC ESTER	0,02		
28	45,13	ALIPHATIC ESTER	0,01		
29	45,67	ALIPHATIC ESTER	0,13		
30	45,76	CAPROIC ACID	0,06		
31	46,34	ALIPHATIC ESTER	0,04		
32	46,77	E-GERANYL ACETONE	0,05		
33	49,15	LAURYL ACETATE	2,35		
34	49,27	ALIPHATIC ESTER	0,01		
35	49,88	COMPOUND Mw=166	0,02		
36	50,03	COMPOUND Mw=166	0,02		
37	50,17	COMPOUND Mw=180	0,36		
38	51,81	ALIPHATIC ESTER	0,05		
39	52,60	ALIPHATIC ESTER	0,05		
40	52,94	SESQUITERPENIC EPOXIDE	0,07		
41	53,24	ALIPHATIC ALCOHOL	0,03		
42	53,54	DITERPENE	0,16		
43	53,71	ALIPHATIC ESTER	0,01		
44	54,66	ALIPHATIC ESTER	0,01		
45	55,01	COMPOUND Mw=216	0,01		
46	55,19	AROMATIC COMPOUND	0,02		
47	55,56	ALIPHATIC ALCOHOL	0,07		
48	56,00	ALIPHATIC ESTER	0,04		
49	56,49	NEROLIDOL	0,09		
50	56,66	DITERPENE	0,29		

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Peaks	RT (min)	Compound name	%	Norm (%)	Allergens (%)
51	56,99	ALIPHATIC ESTER	0,01		
52	57,22	ALIPHATIC ESTER	0,03		
53	57,58	COMPOUND Mw=166	0,02		
54	59,76	ALKEN COMPOUND	0,12		
55	60,05	ALIPHATIC ESTER	0,02		
56	60,30	ALIPHATIC ESTER	0,01		
57	60,59	5-TETRADECEN-1-OL ACETATE	1,19		
58	60,76	ALIPHATIC ESTER	0,06		
59	62,23	ALIPHATIC ESTER	0,01		
60	62,53	COMPOUND Mw=252	0,20		
61	62,80	ALIPHATIC ESTER	0,05		
62	63,78	ALIPHATIC ESTER	0,02		
63	64,04	THYMOL	0,05		
64	64,36	COMPOUND Mw=224	0,39		
65	64,65	ALIPHATIC ESTER	0,05		
66	65,12	FARNESOL ISOMER	0,11		
67	65,67	FARNESYL Z,E-ACETATE	3,42		
68	65,84	ALIPHATIC ESTER	0,02		
69	66,00	METHYL PALMITATE	0,18		
70	66,43	COMPOUND Mw=216	0,01		
71	66,75	COMPOUND Mw=236	0,01		
72	67,77	FARNESYL E,E-ACETATE	52,43		
73	68,36	ALIPHATIC ESTER	0,04		
74	69,29	ALCOHOL COMPOUND	0,10		
75	69,64	ALIPHATIC ESTER	0,03		
76	70,05	FARNESYL PROPIONATE	0,81		
77	70,30	ALIPHATIC ESTER	0,06		
78	70,55	COMPOUND Mw=166	0,01		
79	70,73	ALIPHATIC ESTER	0,01		
80	71,12	FARNESOL	1,29		
81	71,60	ALIPHATIC ESTER	0,11		
82	73,35	ALIPHATIC ESTER	0,44		
83	73,55	ALIPHATIC ESTER	0,20		
84	75,17	AMBRETTOLIDE	4,58		
85	75,85	METHYL OLEATE	0,22		
86	76,68	COMPOUND Mw=220	0,02		
87	76,90	COMPOUND Mw=220	0,02		
88	76,97	ALIPHATIC ESTER	0,03		
89	77,50	ETHYL OLEATE	0,23		
90	77,73	ALIPHATIC ESTER	0,35		
91	78,03	ALIPHATIC ESTER	0,10		
92	78,73	COMPOUND Mw=220	0,01		
93	79,03	ALIPHATIC ESTER	0,02		
94	79,33	SESQUITERPENIC EPOXIDE	0,32		
95	79,48	ETHYL LINOLEATE	0,48		
96	80,05	COMPOUND Mw=220	0,01		
97	80,24	SESQUITERPENIC EPOXIDE	0,70		
98	80,54	ALIPHATIC ESTER	0,02		
99	81,59	ALIPHATIC ESTER	0,04		
100	82,11	ALIPHATIC ESTER	0,02		

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Peaks	RT (min)	Compound name	%	Norm (%)	Allergens (%)
101	82,43	ALIPHATIC ESTER	0,02		
102	82,69	ALIPHATIC ALCOHOL	0,03		
103	82,94	ALIPHATIC ESTER	0,02		
104	83,22	SESQUITERPENIC EPOXIDE	0,01		
105	83,62	AROMATIC COMPOUND	0,02		
106	83,95	COMPOUND Mw=280	1,02		
107	84,20	ALIPHATIC ESTER	0,02		
108	85,43	AROMATIC COMPOUND	0,17		
109	86,06	MYRISTIC ACID	0,02		
110	86,33	AROMATIC COMPOUND	0,03		
111	86,59	AROMATIC COMPOUND	0,01		
112	86,88	AROMATIC COMPOUND	0,06		
113	88,61	ALIPHATIC ESTER	0,10		
114	89,59	ALIPHATIC ESTER	0,02		
115	90,89	AROMATIC COMPOUND	0,02		
116	91,04	AROMATIC COMPOUND	0,05		
117	91,15	AROMATIC COMPOUND	0,01		
118	91,78	SESQUITERPENIC EPOXIDE	0,04		
119	93,15	SESQUITERPENIC EPOXIDE	0,02		
120	93,28	ALIPHATIC ESTER	0,01		
121	93,69	PALMITIC ACID	3,41		
122	94,70	ALIPHATIC ESTER	0,06		
123	94,82	PALMITOLEIC ACID	0,10		
124	95,19	ALKEN COMPOUND	0,03		
125	99,30	AROMATIC COMPOUND	0,09		
126	99,52	AROMATIC COMPOUND	0,02		
127	100,02	AROMATIC COMPOUND	0,02		
128	100,52	AROMATIC COMPOUND	0,04		
129	101,37	STEARIC ACID	0,69		
130	102,49	OLEIC ACID	7,00		
131	104,56	LINOLEIC ACID	9,39		
132	107,02	ALIPHATIC ESTER	0,25		
133	107,42	ALKEN COMPOUND	0,07		
134	108,17	COMPOUND Mw=280	0,03		
135	108,54	ALKEN COMPOUND	0,14		
136	110,98	COMPOUND Mw=280	0,20		
137	112,55	ALIPHATIC ESTER	0,01		
138	115,59	ALKEN COMPOUND	0,02		
		TOTAL	99,89		0,05

This CO2 Extract 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.

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