



CERTIFICATE of ANALYSIS (COA)

COMMON NAME	Chamomile, Roman
LATIN NAME	<i>Anthemis nobilis</i>
COUNTRY OF ORIGIN	USA
CULTIVATION METHOD	Conventional
TYPE	Essential Oil
EXTRACTION METHOD	Steam Distilled
PLANT PART	Flowers
USE	Aromatherapy, Natural Perfumery.

SKU	205
LOT #	18
MANUFACTURING DATE	August 2023
BEST BY DATE	August 2026

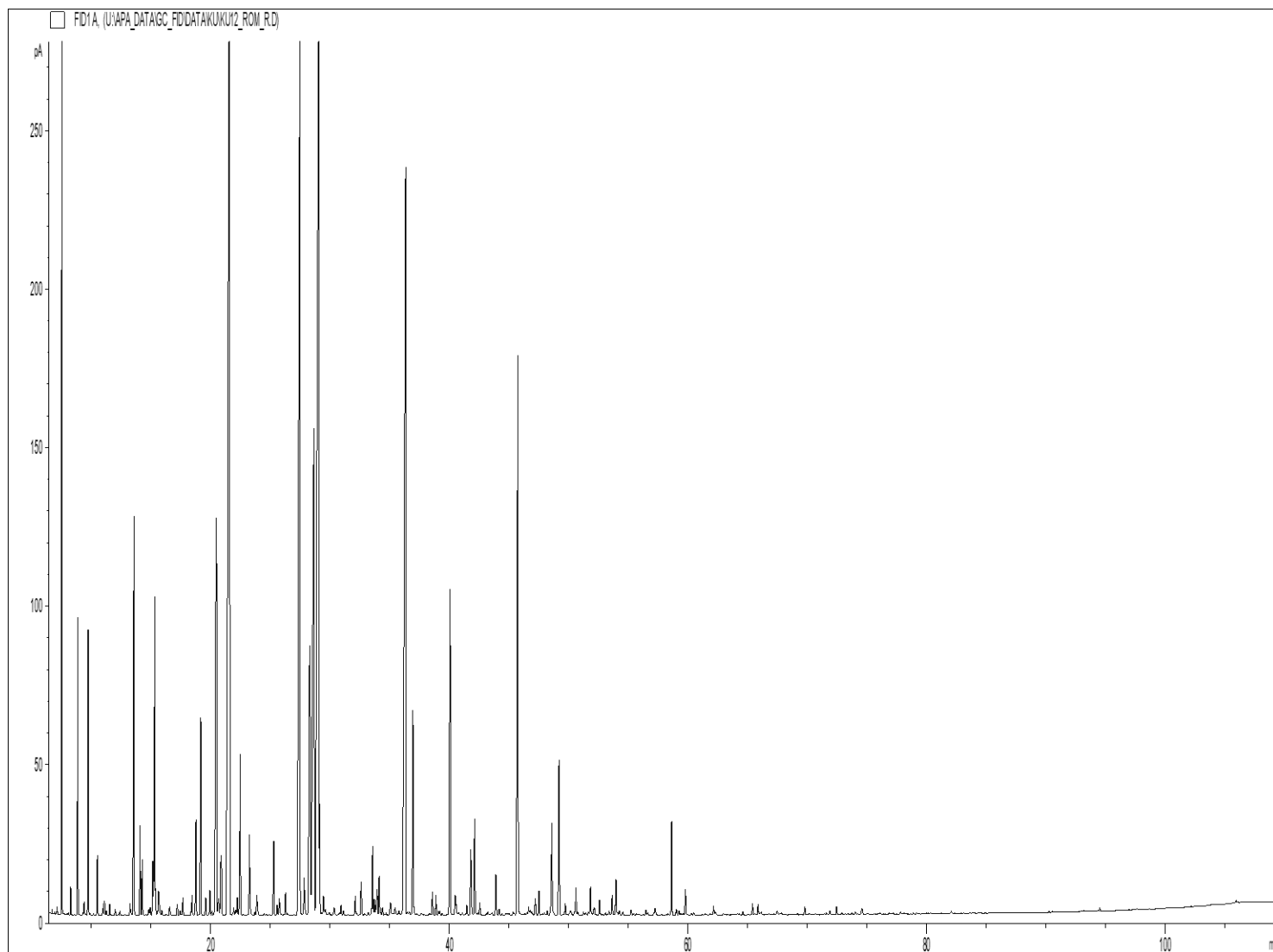
	SPECIFICATIONS (Range)	
SPECIFIC GRAVITY @20°C	0.892 - 0.910	na
REFRACTIVE INDEX @20°C	1.440 - 1.450	1.4416
OPTICAL ROTATION @20°C	-2° to -3°	na

PHYSICAL APPEARANCE	Transparent liquid	Conforms
COLOR	Ranges from colorless to pale yellow. Oil can be light blue or green when freshly distilled.	Conforms
ODOR	Sweet, fruity, warm and herbaceous.	Conforms
SOLUBILITY	Soluble in alcohol and fixed oils	
SPECIAL USE INSTRUCTIONS	Dilute before use	

PRIMARY CONSTITUENTS	Isoamyl angelate, Isobutyl angelate.
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THIRD PARTY LAB ANALYSIS (GCMS)

CHROMATOGRAPHIC PROFILE:



- ROMAN CHAMOMILE EO - SKU 205 LOT 18 -

Peaks	RT (min)	Compound name	%	Standard (%)	Allergens (%)
1	5.24	ALIPHATIC ESTER	0.02		
2	5.45	BUTANAL, 2-METHYL-	0.01		
3	5.49	ISOVALERALDEHYDE	0.01		
4	5.67	2-BUTANONE, 3-METHYL-	0.07		
5	6.03	FURAN, 2-ETHYL-	0.03		
6	6.70	ALIPHATIC ESTER	0.03		
7	7.12	ISOBUTYL ACETATE	0.04		
8	7.51	alpha-PINENE	3.70		3.70
9	8.26	PROPYL ISOBUTYRATE	0.12		
10	8.85	CAMPHENE	1.37		
11	9.38	ISOBUTANOL	0.09		
12	9.72	ISOBUTYL ISOBUTYRATE	1.36		
13	9.86	ALIPHATIC ESTER	0.01		
14	10.48	beta-PINENE	0.31		0.31
15	10.93	METHYL ANGELATE	0.03		
16	11.08	2-METHYLBUTYL ACETATE	0.12		
17		SABINENE			
18	11.25	PINADIENE	0.02		
19	11.53	PROPYL METHACRYLATE	0.06		
20	11.98	PROPYL 2-METHYLBUTYRATE	0.03		
21	12.39	BUTYL ISOBUTYRATE	0.02		
22	13.24	ETHYL ANGELATE	0.08		
23		beta-MYRCENE			
24	13.55	ISOBUTYL METHACRYLATE	2.36		
25	14.07	ISOBUTYL 2-METHYLBUTYRATE	0.52		
26	14.25	ISOBUTYRIC ANHYDRID	0.31		
27	14.81	AMYL PROPIONATE	0.05		
28	14.92	ISOBUTYL ISOVALERATE	0.05		
29	15.13	ISOAMYL ISOBUTYRATE	0.37		
30	15.30	2-METHYLBUTYL ISOBUTYRATE	2.04		
31	15.38	LIMONENE	0.10		0.10
32	15.62	ISOAMYLIC ALCOHOL	0.22		
33	15.90	1,8-CINEOLE	0.04		
34	16.55	1,3,8-p-MENTHATRIENE	0.05		
35	17.18	BUTYL METHACRYLATE	0.07		
36	17.42	FURAN, 2-PENTYL-	0.03		
37	17.65	ALIPHATIC ESTER	0.11		
38	18.43	PRENYL ACETATE	0.15		
39	18.77	ISOPROPYL ANGELATE	0.59		
40	19.17	ALLYL METHACRYLATE	1.17		
41	19.58	3-HEPTANONE, 2,6-DIMETHYL-	0.11		
42	19.94	p-CYMENE	0.18		
43	20.11	ALIPHATIC ESTER	0.03		

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Peaks	RT (min)	Compound name	%	Standard (%)	Allergens (%)
44	20.48	2-METHYLBUTYL METHACRYLATE	3.81		
45		ISOAMYL METHACRYLATE			
46	20.67	ISOAMYL ISOVALERATE	0.15		
47	20.88	2-METHYLBUTYL 2-METHYLBUTYRATE	0.59		
48	21.59	ISOBUTYL ANGELATE	14.27		
49	21.93	AMYL ISOVALERATE	0.06		
50	22.10	ALIPHATIC ESTER	0.04		
51	22.23	ALIPHATIC ESTER	0.11		
52	22.48	HEXENYLIC ESTER	1.00		
53	23.26	ISOPRENYL ISOVALERATE	0.52		
54	23.87	1-PENTANOL, 3-METHYL-	0.17		
55	24.46	5-HEPTEN-2-ONE, 6-METHYL-	0.01		
56	25.29	BUTYL ANGELATE	0.50		
57	25.57	ALIPHATIC ESTER	0.07		
58	25.75	BUTYL TIGLATE	0.16		
59	26.28	ISOBUTYL TIGLATE	0.15		
60	26.46	ALIPHATIC ESTER	0.02		
61	27.47	METHALLYL ANGELATE	9.95		
62	27.84	3-HEXEN-1-OL	0.30		
63	28.31	METHALLYLIC ESTER	3.00		
64	28.65	ISOAMYL ANGELATE	6.63		
65	29.06	2-METHYLBUTYL ANGELATE	14.50		
66	29.12	ALIPHATIC ESTER	0.44		
67	29.26	ALIPHATIC ESTER	0.02		
68	29.44	PRENYL VALERATE	0.16		
69	29.62	2-METHYLBUTYLE CAPROATE	0.05		
70	29.93	ALIPHATIC ESTER	0.03		
71	30.34	HEXYL BUTYRATE	0.08		
72	30.81	SILPHIPERFOL-7-ENE	0.02		
73	30.92	ALIPHATIC ESTER	0.07		
74	31.12	ALIPHATIC ESTER	0.05		
75	32.12	ALIPHATIC ESTER	0.13		
76	32.23	ALIPHATIC ESTER	0.01		
77	32.61	ARTEMISIA KETONE ISOMER	0.13		
78	32.65	1-OCTEN-3-OL	0.09		
79	33.21	ALIPHATIC ESTER	0.02		
80	33.56	ARTEMISIA CETONE ISOMER	0.44		
81	33.70	ALIPHATIC ESTER	0.10		
82	33.83	ALIPHATIC ESTER	0.06		
83	33.94	ALIPHATIC ESTER	0.18		
84	34.12	ARTEMISIA KETONE ISOMER	0.24		
85	34.25	ALIPHATIC ESTER	0.02		
86	34.41	METHYLAMYL METHACRYLATE ISOMER	0.05		

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Peaks	RT (min)	Compound name	%	Standard (%)	Allergens (%)
87	34.68	ISOLEDENE	0.02		
88	35.06	alpha-CAMPHOLENAL	0.12		
89	35.46	alpha-COPAENE	0.08		
90	35.77	ALIPHATIC ESTER	0.05		
91	36.35	METHYLAMYL ANGELATE	9.28		
92	36.51	CAMPHOR	0.03		0.03
93	36.65	PINOCAMPHONE	0.03		
94	36.95	METHYLAMYL METHACRYLATE ISOMER	1.36		
95	37.29	ALIPHATIC ESTER	0.02		
96	38.33	AROMATIC COMPOUND	0.02		
97	38.58	ISOPINOCAMPHONE	0.17		
98	38.88	HEXENYLIC ESTER	0.13		
99	39.09	cis-THUYANOL	0.03		
100	39.20	LINALOOL	0.03		0.03
101	39.41	SESQUITERPENE	0.01		
102	40.06	PINOCARVONE	2.31		
103	40.49	KETONIC COMPOUND	0.13		
104	40.57	ALIPHATIC ESTER	0.07		
105	40.76	BORNYL ACETATE	0.03		
106	41.47	HEXENYLIC ESTER	0.07		
107	41.80	ALIPHATIC ESTER	0.46		
108	42.12	CAMPHENE HYDRATE	0.69		
109	42.41	beta-CARYOPHYLLENE	0.02		0.02
110	42.55	TERPINENE-4-OL	0.08		
111	43.23	ALIPHATIC ESTER	0.02		
112	43.57	ALIPHATIC ESTER	0.02		
113	43.90	MYRTENAL	0.28		
114	44.17	cis-p-MENTHA-2,8-DIEN-1-OL	0.04		
115	45.33	trans-PINOCARVYL ACETATE	0.02		
116	45.73	trans-PINOCARVEOL	4.34		
117	46.64	ALIPHATIC ESTER	0.05		
118	46.76	alpha-HUMULENE	0.04		
119	46.87	E-beta-FARNESENE	0.03		
120	47.20	trans-VERBENOL	0.11		
121	47.51	ALIPHATIC ALCOHOL	0.16		
122	47.96	SESQUITERPENE	0.02		
123	48.21	gamma-CURCUMENE	0.03		
124	48.58	BORNEOL	0.73		
125	49.20	GERMACRENE D	1.14		
126	49.72	beta-SELINENE	0.08		
127	50.15	alpha-MUUROLENE	0.06		
128	50.49	BENZYL ACETATE	0.02		
129	50.61	BICYCLOGERMACRENE	0.19		

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Peaks	RT (min)	Compound name	%	Standard (%)	Allergens (%)
130	50.76	AROMATIC COMPOUND	0.02		
131	51.23	KETONIC COMPOUND	0.02		
132	51.42	SESQUITERPENE Mw=202	0.02		
133	51.64	ALIPHATIC ESTER	0.03		
134	51.82	E,E-alpha-FARNESENE	0.19		
135	52.08	ALIPHATIC COMPOUND	0.03		
136	52.15	SESQUITERPENE	0.05		
137	52.59	ALIPHATIC ESTER	0.10		
138	53.09	alpha-CURCUMENE	0.02		
139	53.39	BENZYL ISOBUTYRATE	0.03		
140	53.64	ISOBUTYL 3-HYDROXY-2-METHYLENEBUTYRATE	0.15		
141	53.96	MYRTENOL	0.25		
142	54.10	trans-p-MENTHA-1(7),8-DIEN-2-OL	0.02		
143	54.25	MENTHADIENOL ISOMER	0.03		
144	54.54	MENTHATRIENIC COMPOUND	0.02		
145	55.23	2,4-DECADIENAL	0.04		
146	56.47	trans-CARVEOL	0.04		
147	56.63	ALIPHATIC ESTER	0.02		
148	57.24	p-CYMENE-8-OL	0.07		
149	58.63	2-HYDROXY-2-METHYLBUT-3-ENYL ANGELATE	0.58		
150	59.02	ALIPHATIC ESTER	0.04		
151	59.24	2-METHYLPROPYL BENZENE ACETATE	0.03		
152	59.79	ISOPENTYL 3-HYDROXY-2-METHYLENEBUTYRATE	0.18		
153	60.30	AROMATIC COMPOUND	0.01		
154	60.48	MENTHATRIENIC COMPOUND	0.01		
155	62.14	MENTHATRIENIC COMPOUND	0.06		
156	62.29	AROMATIC COMPOUND	0.03		
157	64.59	AROMATIC COMPOUND	0.03		
158	65.41	BENZYL TIGLATE	0.08		
159	65.87	ALIPHATIC ESTER	0.08		
160	66.06	METHYLEUGENOL	0.01		
161	66.14	SESQUITERPENIC OXIDE	0.02		
162	67.45	ALIPHATIC ESTER	0.05		
163	69.79	COMPOUND Mw=166	0.06		
164	71.89	SPATHULENOL	0.03		
165	72.45	PENTADECANONE, TRIMETHYL-	0.05		
166	73.72	EUGENOL	0.01		0.01
167	74.02	SESQUITERPENIC OXIDE	0.02		
168	74.58	5-epi-7-epi-alpha-EUDESOL	0.06		
169	77.80	AROMATIC COMPOUND	0.02		
170	82.05	ALIPHATIC ESTER	0.02		
171	94.48	PHYTOL	0.03		
172	105.90	AROMATIC COMPOUND	0.02		

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Peaks	RT (min)	Compound name	%	Standard (%)	Allergens (%)
		TOTAL	99.73		4.19

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

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