



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 #	20
MANUFACTURING DATE	August 2025
BEST BY DATE	August 2028

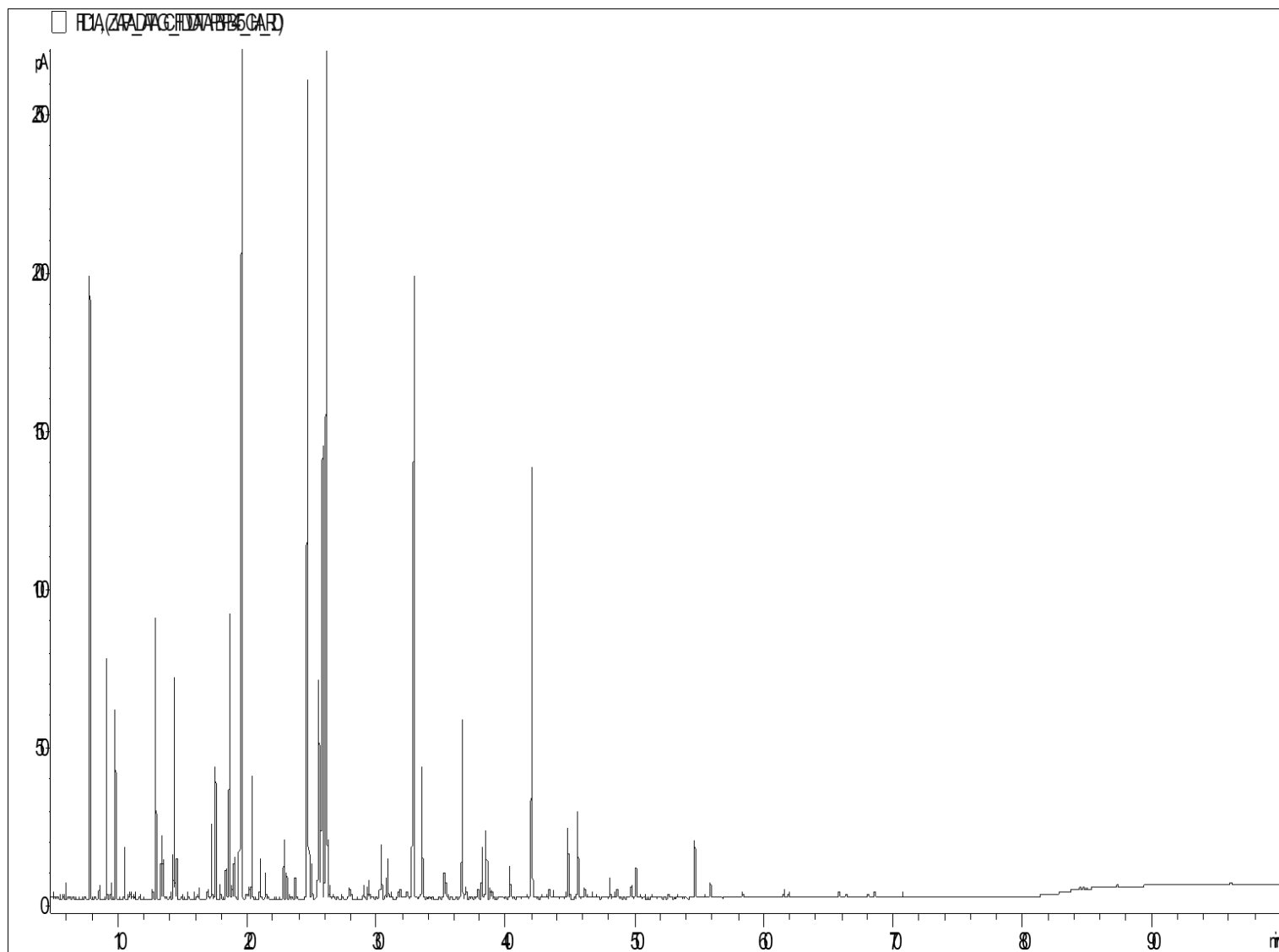
	SPECIFICATIONS (Range)	
SPECIFIC GRAVITY @20°C	0.892 - 0.910	na
REFRACTIVE INDEX @20°C	1.440 - 1.450	1.4417
OPTICAL ROTATION @20°C	-2° to -3°	na

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.
----------------------	--------------------------------------

GCMS ANALYSIS

CHROMATOGRAPHIC PROFILE:



- CHAMOMILE ROMAN EO - SKU 205 LOT 20 -

Peaks	RT (min)	Compound name	CAS	%	Standard (%)	Allergens (%)
1	5.78	ISOVALERALDEHYDE	590-86-3	0.02		
2	5.96	2-BUTANONE, 3-METHYL-	563-80-4	0.08		
3	6.13	3-NONENE	20063-77-8	0.02		
4	6.27	FURAN, 2-ETHYL-	3208-16-0	0.01		
5	6.49	ETHYL 2-METHYL-PROPIONATE	97-62-1	0.02		
6	7.44	ISOBUTYL ACETATE	110-19-0	0.02		
7	7.50	TRICYCLENE	508-32-7	0.01		
8	7.86	alpha-PINENE	80-56-8	3.68		3.68
9	8.34	ETHYL METHACRYLATE	97-63-2	0.01		
10	8.54	ETHYL 2-METHYLBUTYRATE	7452-79-1	0.09		
11	9.12	CAMPHENE	79-92-5	1.55		
12	9.48	HEXANAL	66-25-1	0.13		
13	9.81	ISOBUTYL ISOBUTYRATE	97-85-8	1.16		
14	9.91	ALIPHATIC ESTER		0.01		
15	10.53	beta-PINENE	127-91-3	0.35		0.35
16	10.81	METHYL ANGELATE	5953-76-4	0.03		
17	10.92	ISOAMYL ACETATE	123-92-2	0.07		
18	11.02	SABINENE	3387-41-5	0.04		
19	11.16	PINADIENE		0.03		
20	11.31	PROPYL METHACRYLATE	2210-28-8	0.05		
21	11.69	PROPYL 2-METHYLBUTYRATE	37064-20-3	0.02		
22	12.01	BUTYL ISOBUTYRATE	97-87-0	0.02		
23	12.70	ETHYL ANGELATE		0.06		
24	12.79	beta-MYRCENE	123-35-3	0.01		
25	12.95	ISOBUTYL METHACRYLATE	97-86-9	2.02		
26	13.39	ISOBUTYL 2-METHYLBUTYRATE	2445-67-2	0.46		
27	13.51	ALIPHATIC ESTER		0.27		
28	13.97	AMYL PROPIONATE	624-54-4	0.03		
29	14.07	ISOBUTYL ISOVALERATE	589-59-3	0.06		
30	14.25	ISOAMYL ISOBUTYRATE	2050-01-3	0.37		
31	14.38	2-METHYLBUTYL ISOBUTYRATE	2445-69-4	1.69		
32	14.55	1-BUTANOL, 2-METHYL-	137-32-6	0.16		
33	14.56	LIMONENE	138-86-3	0.24		0.24
34	14.98	1,8-CINEOLE	470-82-6	0.04		
35	15.41	2-HEXENAL	505-57-7	0.05		
36	15.93	BUTYL METHACRYLATE	97-88-1	0.06		
37	16.16	FURAN, 2-PENTYL-	3777-69-3	0.04		
38	16.31	ALIPHATIC ESTER		0.09		
39	16.93	PRENYL ACETATE	1191-16-8	0.07		
40	17.01	gamma-TERPINENE	99-85-4	0.02		
41	17.25	ISOPROPYL ANGELATE	61692-76-0	0.62		
42	17.55	ALLYL METHACRYLATE	96-05-9	1.03		
43	17.92	ALIPHATIC ESTER		0.11		

- CHAMOMILE ROMAN EO - SKU 205 LOT 20 -

Peaks	RT (min)	Compound name	CAS	%	Standard (%)	Allergens (%)
44	18.35	p-CYMENE	99-87-6	0.25		
45	18.48	HEXYL ACETATE	142-92-7	0.01		
46	18.68	2-METHYLBUTYL METHACRYLATE	60608-94-8	3.31		
47		ISOAMYL METHACRYLATE	7336-27-8			
48	18.86	ISOAMYL ISOVALERATE	659-70-1	0.13		
49	19.03	2-METHYLBUTYL 2-METHYLBUTYRATE	2445-78-5	0.50		
50	19.60	ISOBUTYL ANGELATE	7779-81-9	14.54		
51	19.93	2-METHYLBUTYL 3-METHYLBUTYRATE	2445-77-4	0.05		
52	20.07	ALIPHATIC ESTER		0.04		
53	20.18	ALIPHATIC ESTER		0.10		
54	20.40	ALIPHATIC ESTER		0.99		
55	21.04	ALIPHATIC ESTER		0.34		
56	21.45	1-PENTANOL, 3-METHYL-	589-35-5	0.24		
57	21.65	ALIPHATIC ESTER		0.01		
58	22.85	BUTYL ANGELATE	7785-64-0	0.56		
59	23.07	ALIPHATIC ESTER		0.23		
60	23.29	ALIPHATIC ESTER		0.04		
61	23.51	ALIPHATIC ESTER		0.02		
62	23.75	ISOBUTYL TIGLATE	61692-84-0	0.20		
63	23.88	ALIPHATIC ESTER		0.01		
64	24.75	METHALLYL ANGELATE	61692-78-2	11.05		
65	24.99	3-HEXEN-1-OL	544-12-7	0.32		
66	25.55	METHYLAMYL METHACRYLATE ISOMER		2.86		
67	25.85	ISOAMYL ANGELATE	41519-18-0	7.20		
68	26.19	2-METHYLBUTYL ANGELATE	61692-77-1	13.72		
69	26.24	METHYLAMYL METHACRYLATE ISOMER		0.31		
70	26.41	2-HEXEN-1-OL	2305-21-7	0.12		
71	26.63	2-METHYLBUTYLE CAPROATE	2601-13-0	0.03		
72	26.73	ALIPHATIC ESTER		0.03		
73	27.01	ALIPHATIC ESTER		0.02		
74	27.38	ALIPHATIC ESTER		0.05		
75	27.83	ALIPHATIC ESTER		0.01		
76	27.92	METHYLAMYL METHACRYLATE ISOMER		0.10		
77	28.08	SESQUITERPENE		0.06		
78	28.53	alpha,p-DIMETHYLSTYRENE	1195-32-0	0.01		
79	29.03	ALIPHATIC ESTER		0.15		
80	29.34	1-OCTEN-3-OL	3391-86-4	0.10		
81	29.47	ALIPHATIC ESTER		0.15		
82	29.62	ALIPHATIC ESTER		0.01		
83	30.05	ALIPHATIC ESTER		0.02		
84	30.36	ALIPHATIC ESTER		0.53		
85	30.42	ALIPHATIC ESTER		0.07		
86	30.62	ALIPHATIC ESTER		0.02		

- CHAMOMILE ROMAN EO - SKU 205 LOT 20 -

Peaks	RT (min)	Compound name	CAS	%	Standard (%)	Allergens (%)
87	30.75	ALIPHATIC ESTER		0.22		
88	30.90	ALIPHATIC ESTER		0.35		
89	31.03	SESQUITERPENE		0.03		
90	31.16	ALIPHATIC ESTER		0.05		
91	31.75	ALIPHATIC ESTER		0.07		
92	31.88	alpha-CAMPHOLENAL	4501-58-0	0.09		
93	32.00	SESQUITERPENE		0.03		
94	32.39	alpha-COPAENE	3856-25-5	0.09		
95	32.67	DECANAL	112-31-2	0.02		
96	32.98	METHYLAMYL ANGELATE		10.15		
97	33.34	ALIPHATIC ESTER		0.03		
98	33.54	METHYLAMYL METHACRYLATE ISOMER		1.21		
99	33.65	ALIPHATIC ESTER		0.04		
100	34.41	ALIPHATIC ESTER		0.03		
101	34.86	2-NONENAL	2463-53-8	0.02		
102	35.28	ISOPINOCAMPHONE	473-62-1	0.26		
103	35.41	ALIPHATIC ESTER		0.15		
104	35.58	LINALOOL	78-70-6	0.04		0.04
105	35.77	1-NONEN-3-OL	21964-44-3	0.01		
106	36.18	1-OCTANOL	111-87-5	0.01		
107	36.45	COMPOUND Mw=154		0.01		
108	36.66	PINOCARVONE	30460-92-5	1.78		
109	36.90	ALIPHATIC ESTER		0.13		
110	36.97	ALIPHATIC ESTER		0.05		
111	37.22	ALIPHATIC ESTER		0.02		
112	37.41	SESQUITERPENE		0.02		
113	37.62	BORNYL ACETATE	76-49-3	0.02		
114	37.76	FENCHOL	1632-73-1	0.02		
115	37.92	ALIPHATIC ESTER		0.09		
116	38.22	ALIPHATIC ESTER		0.47		
117	38.53	CAMPHENE HYDRATE	465-31-6	0.68		
118	38.80	beta-CARYOPHYLLENE	87-44-5	0.10		0.10
119	38.93	ALIPHATIC ESTER		0.09		
120	39.44	ALIPHATIC ESTER		0.01		
121	39.62	ALIPHATIC ESTER		0.02		
122	40.35	MYRTENAL	564-94-3	0.36		
123	41.09	ALIPHATIC ESTER		0.01		
124	41.62	E-2-DECENAL	3913-81-3	0.03		
125	42.05	trans-PINOCARVEOL	547-61-5	4.74		
126	42.80	ALIPHATIC ESTER		0.04		
127	42.99	trans-p-MENTHA-2,8-DIEN-1-OL	7212-40-0	0.02		
128	43.07	ALIPHATIC ESTER		0.02		
129	43.20	E-beta-FARNESENE	18794-84-8	0.05		

- CHAMOMILE ROMAN EO - SKU 205 LOT 20 -

Peaks	RT (min)	Compound name	CAS	%	Standard (%)	Allergens (%)
130	43.43	trans-VERBENOL	1820-09-3	0.09		
131	43.74	ALIPHATIC ESTER		0.09		
132	44.41	gamma-MUUROLENE	30021-74-0	0.03		
133	44.66	alpha-TERPINEOL	98-55-5	0.06		0.06
134	44.83	BORNEOL	507-70-0	0.70		
135	44.99	ALIPHATIC ESTER		0.04		
136	45.61	GERMACRENE D	23986-74-5	0.92		
137	46.16	beta-SELINENE	17066-67-0	0.10		
138	46.35	BENZYL ACETATE	140-11-4	0.03		
139	46.56	alpha-MUUROLENE	10208-80-7	0.02		
140	46.77	BICYCLOGERMACRENE	67650-90-2	0.09		
141	47.02	SESQUITERPENE		0.05		
142	47.62	SESQUITERPENE Mw=202		0.03		
143	47.74	trans-ISOPIPERITENOL	74410-00-7	0.02		
144	48.09	E,E-alpha-FARNESENE	502-61-4	0.20		
145	48.33	ALIPHATIC ESTER		0.01		
146	48.45	delta-CADINENE	483-76-1	0.07		
147	48.66	ALIPHATIC ESTER		0.09		
148	49.41	ALIPHATIC ESTER		0.02		
149	49.60	alpha-CURCUMENE	644-30-4	0.03		
150	49.73	ISOBUTYL 3-HYDROXY-2-METHYLENEBUTYRATE	80758-68-5	0.14		
151	50.12	MYRTENOL	515-00-4	0.34		
152	50.40	trans-p-MENTHA-1(7),8-DIEN-2-OL	21391-84-4	0.04		
153	50.79	ALIPHATIC ESTER		0.02		
154	51.36	2,4-DECADIENAL	2363-88-4	0.04		
155	51.87	beta-DAMASCENONE	23696-85-7	0.02		0.02
156	52.57	trans-CARVEOL	1197-07-5	0.04		
157	52.73	ALIPHATIC ESTER		0.02		
158	53.31	p-CYMENE-8-OL	1197-01-9	0.05		
159	53.52	ALIPHATIC ESTER		0.02		
160	54.68	2-HYDROXY-2-METHYLBUT-3-ENYL ANGELATE		0.55		
161	55.08	ALIPHATIC ESTER		0.02		
162	55.22	ALIPHATIC ESTER		0.02		
163	55.41	BENZYL METHACRYLATE	2495-37-6	0.03		
164	55.86	ISOPENTYL 3-HYDROXY-2-METHYLENEBUTYRATE	80758-69-6	0.18		
165	56.39	SESQUITERPENIC COMPOUND		0.01		
166	57.63	ALIPHATIC ESTER		0.03		
167	58.36	COMPOUND Mw=278		0.06		
168	60.36	ALIPHATIC ESTER		0.02		
169	60.84	CARYOPHYLLENE OXIDE	1139-30-6	0.02		
170	61.57	AROMATIC ESTER		0.08		
171	61.95	ALIPHATIC ESTER		0.07		
172	62.24	METHYLEUGENOL	93-15-2	0.03		

- CHAMOMILE ROMAN EO - SKU 205 LOT 20 -

Peaks	RT (min)	Compound name	CAS	%	Standard (%)	Allergens (%)
173	63.63	HEXADECANAL	629-80-1	0.03		
174	63.93	ALIPHATIC ESTER		0.01		
175	65.84	ALIPHATIC ESTER		0.05		
176	66.37	ALIPHATIC ESTER		0.03		
177	68.06	SPATHULENOL	6750-60-3	0.04		
178	68.63	PENTADECANONE, TRIMETHYL-	502-69-2	0.06		
179	70.77	5-epi-7-epi-alpha-EUDESOL		0.05		
180	84.73	PENTACOSANE	629-99-2	0.01		
181	87.36	PHYTOL	150-86-7	0.02		
		TOTAL		99.86		4.48

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: 09.10.18

Document updated: 03.06.26