



CERTIFICATE of ANALYSIS (COA)

COMMON NAME	Bergamot
LATIN NAME	<i>Citrus aurantium</i> var. <i>bergamia</i>
COUNTRY OF ORIGIN	Italy
CULTIVATION METHOD	Conventional
TYPE	Essential Oil
EXTRACTION METHOD	Cold Pressed
PLANT PART	Peels
USE	Aromatherapy, Natural Perfumery

SKU	120
LOT #	17
MANUFACTURING DATE	January 2024
BEST BY DATE	January 2026

	SPECIFICATIONS (Range)	
SPECIFIC GRAVITY @20°C	0.86 – 0.89	na
REFRACTIVE INDEX @20°C	1.45 – 1.47	1.4685
OPTICAL ROTATION @20°C	+8° to +38°	na

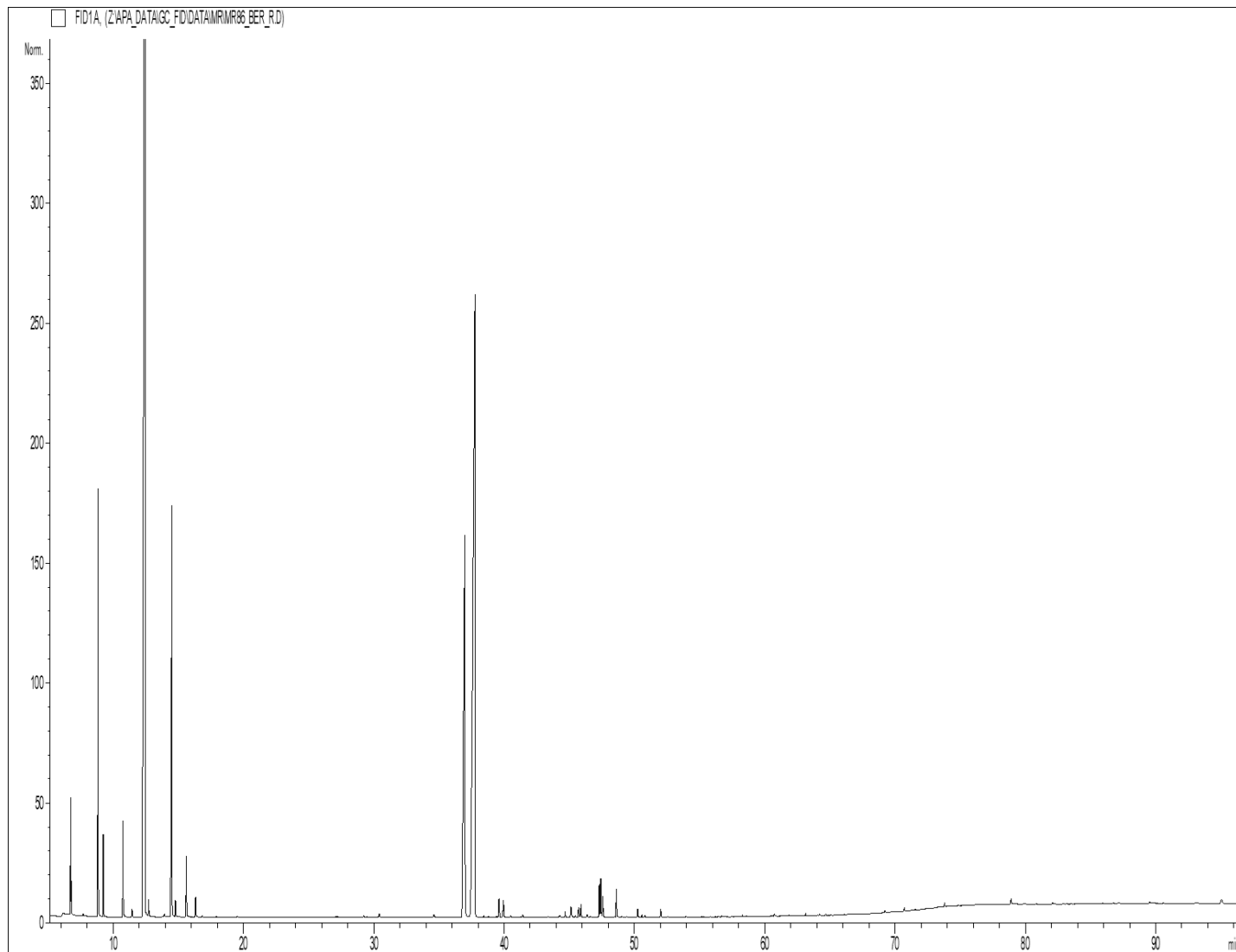
PHYSICAL APPEARANCE	Transparent liquid. Some deposits may appear (waxes).	<i>Conforms</i>
COLOR	Greenish yellow to green	<i>Conforms</i>
ODOR	Fresh, zesty, citrus aroma.	<i>Conforms</i>
SOLUBILITY	Soluble in alcohol and fixed oils	
SPECIAL USE INSTRUCTIONS	Dilute before use. Refrigerate to extend freshness.	

PRIMARY CONSTITUENTS	Limonene, Linalyl Acetate, Linalool.
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COMMENTS	Odor quality is excellent. Caution: photosensitizing.
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THIRD PARTY LAB ANALYSIS (GCMS)

CHROMATOGRAPHIC PROFILE:



- BERGAMOT EO - SKU 120 LOT 17 -

Peaks	RT (min)	Compound name	%	Standard (%)	Allergens (%)
1	6,72	alpha-PINENE	0,90		0,90
2	6,77	alpha-THUYENE	0,27		
3	7,68	CAMPHENE	0,02		
4	8,84	beta-PINENE	4,40	4.0 - 8.5	4,40
5	9,23	SABINENE	0,83		
6	10,74	beta-MYRCENE	1,05		
7	10,85	alpha-PHELLANDRENE	0,03		
8	11,43	alpha-TERPINENE	0,11		0,11
9	12,46	LIMONENE	43,03	32.0 - 47.0	43,03
10	12,71	beta-PHELLANDRENE	0,30		
11		1,8-CINEOLE			
12	13,93	cis-beta-OCIMENE	0,06		
13	14,49	gamma-TERPINENE	6,14	6.0 - 10.0	
14	14,77	trans-beta-OCIMENE	0,22		
15	15,60	p-CYMENE	0,78		
16	16,31	TERPINOLENE	0,28		0,28
17	16,81	OCTANAL	0,02		
18	19,54	5-HEPTEN-2-ONE, 6-METHYL-	0,02		
19	27,09	LINALOOL cis-OXIDE	0,03		
20	27,22	ALIPHATIC ESTER	0,02		
21	28,28	LIMONENE trans-1,2-EPOXIDE	0,02		
22	29,24	trans-THUYANOL	0,03		
23	29,45	LINALOOL trans-OXIDE	0,02		
24	30,43	OCTYL ACETATE	0,09		
25	34,62	E-SOLANONE	0,08		
26	36,98	LINALOOL	10,62	3.0 - 15.0	10,62
27	37,77	LINALYL ACETATE	26,21	22.0 - 36.0	26,21
28	38,44	alpha-cis-BERGAMOTENE	0,02		
29	38,80	BORNYL ACETATE	0,02		
30	39,41	NONYLE ACETATE	0,02		
31	39,62	alpha-trans-BERGAMOTENE	0,32		
32	39,96	beta-CARYOPHYLLENE	0,32		0,32
33	40,52	TERPINENE-4-OL	0,03		
34	41,31	epi-beta-SANTALENE	0,01		
35	41,44	LINALYL PROPIONATE	0,04		
36	43,37	beta-SANTALENE	0,01		
37	44,25	alpha-HUMULENE	0,03		
38	44,28	CITRONELLYL ACETATE	0,02		
39	44,67	E-beta-FARNESENE	0,07		
40	45,12	NERAL	0,16		0,16

41	45,19	DECYL ACETATE	0,03		
42	45,46	Z-beta-FARNESENE	0,02		
43	45,71	TERPENYL ACETATE	0,14		
44	45,89	alpha-TERPINEOL	0,20		0,20
45	46,36	GERMACRENE D	0,04		
46	47,29	NERYL ACETATE	0,40		
47	47,41	beta-BISABOLENE	0,56	0.30 - 0.70	
48	47,57	GERANIAL	0,30	0.25 - 0.50	0,30
49	48,47	SESQUITERPENE	0,01		
50	48,61	GERANYL ACETATE	0,33		0,33
51	48,69	delta-CADINENE	0,02		
52	49,01	CITRONELLOL	0,02		0,02
53	49,40	trans-alpha-BISABOLENE	0,01		
54	50,25	NEROL	0,12		
55	50,55	cis-EPOXYLINALYL ACETATE	0,03		
56	50,78	trans-EPOXYLINALYL ACETATE	0,02		
57	52,01	GERANIOL	0,11		0,11
58	53,94	COMPOUND Mw=152	0,01		
59	56,68	CARYOPHYLLENE OXIDE	0,02		
60	58,28	NEROLIDOL	0,02		
61	58,59	CAPRYLIC ACID	0,01		
62	60,73	SPATHULENOL	0,03		
63		SESQUITERPENIC OXIDE			
64	61,85	CAMPHERENOL	0,02		
65	63,13	alpha-BISABOOL	0,03		
66	64,68	DIMETHYL METHYLPENTENYL NORBORNANOL	0,02		
67	69,21	LAURIC ACID	0,02		
68	70,71	NOOTKATONE	0,05		
69	73,80	MYRISTIC ACID	0,05		
70	78,89	PALMITIC ACID	0,14		
71	82,08	ALIPHATIC ALCOHOL	0,04		
72	85,05	ALIPHATIC COMPOUND	0,01		
73	85,94	SQUALENE	0,02		
74	86,74	ALIPHATIC COMPOUND	0,02		
75	87,15	ALIPHATIC COMPOUND	0,03		
76	89,53	AROMATIC COMPOUND Mw=266	0,08		
77	93,06	LINOLEIC ACID	0,02		
78	95,04	LIMETTIN	0,16		
79	107,03	BERGAPTEN	0,18		
		TOTAL	99,95		86,97

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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