



CERTIFICATE of ANALYSIS (COA)

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

SKU	125
LOT #	22
MANUFACTURING DATE	November 2024
BEST BY DATE	November 2026

	SPECIFICATIONS (Range)	
SPECIFIC GRAVITY @20°C	0.86 – 0.89	na
REFRACTIVE INDEX @20°C	1.45 – 1.47	1.4674
OPTICAL ROTATION @20°C	+8° to +38°	na

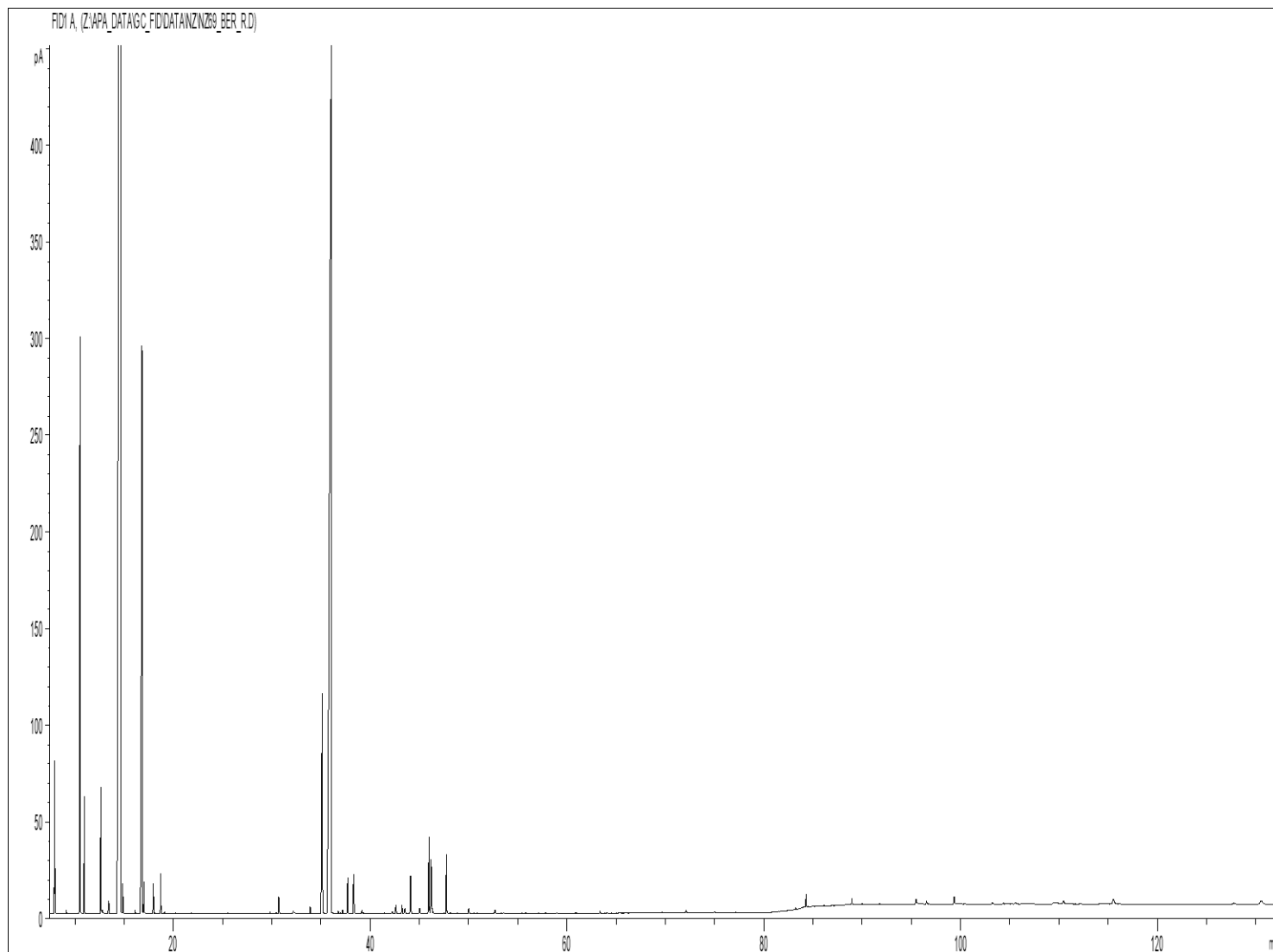
PHYSICAL APPEARANCE	Transparent liquid. Some deposits may appear (waxes).	Conforms
COLOR	Greenish yellow to green	Conforms
ODOR	Fresh, zesty, citrus aroma.	Conforms
SOLUBILITY	Soluble in alcohol and fixed oils	
SPECIAL USE INSTRUCTIONS	Dilute before use. Refrigerate to preserve freshness.	

PRIMARY CONSTITUENTS	Limonene, Linalyl acetate, Linalool.
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COMMENTS	Odor quality is excellent. Caution: photosensitizing.
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GCMS ANALYSIS

CHROMATOGRAPHIC PROFILE:



- ORGANIC BERGAMOT EO - SKU 125 LOT 22 -

Peaks	RT (min)	Compound name	%	Standard (%)	Allergens (%)
1	7.94	alpha-PINENE	1.00		1.00
2	8.00	alpha-THUYENE	0.28		
3	9.11	CAMPHENE	0.03		
4	10.51	beta-PINENE	5.04	4.0 - 8.5	5.04
5	10.94	SABINENE	0.88		
6	12.62	beta-MYRCENE	1.15		
7	12.76	alpha-PHELLANDRENE	0.05		
8	13.41	alpha-TERPINENE	0.14		0.14
9	14.62	LIMONENE	45.98	32.0 - 47.0	45.98
10	14.85	beta-PHELLANDRENE	0.22		
11		1,8-CINEOLE			
12	16.09	cis-beta-OCIMENE	0.03		
13	16.81	gamma-TERPINENE	7.99	6.0 - 10.0	
14	17.01	trans-beta-OCIMENE	0.26		
15	17.95	p-CYMENE	0.25		
16	18.71	TERPINOLENE	0.35		0.35
17	19.10	OCTANAL	0.02		
18	21.82	5-HEPTEN-2-ONE, 6-METHYL-	0.01		
19	25.48	NONANAL	0.01		
20	29.84	trans-THUYANOL	0.02		
21	30.45	delta-ELEMENE	0.02		
22	30.71	OCTYL ACETATE	0.18		
23	32.18	DECANAL	0.03		
24	33.90	E-SOLANONE	0.08		
25	35.11	LINALOOL	3.07	3.0 - 15.0	3.07
26	36.05	LINALYL ACETATE	27.62	22.0 - 36.0	27.62
27	36.75	alpha-cis-BERGAMOTENE	0.03		
28	37.19	BORNYL ACETATE	0.05		
29	37.70	alpha-trans-BERGAMOTENE	0.37		
30	38.32	beta-CARYOPHYLLENE	0.41		0.41
31	38.33	TERPINENE-4-OL	0.05		
32	39.16	LINALYL PROPIONATE	0.03		
33	39.29	SESQUITERPENE	0.02		
34	41.45	beta-SANTALENE	0.01		
35	42.22	CITRONELLYL ACETATE	0.02		
36	42.61	alpha-HUMULENE	0.09		
37		E-beta-FARNESENE			
38	43.23	NERAL	0.10		0.10
39	43.51	DECYL ACETATE	0.07		
40	44.10	alpha-TERPINEOL	0.18		0.18
41	44.11	TERPENYL ACETATE	0.24		
42	45.02	GERMACRENE D	0.07		
43	45.97	NERYL ACETATE	0.83		

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Peaks	RT (min)	Compound name	%	Standard (%)	Allergens (%)
44	46.18	beta-BISABOLENE	0.60	0.30 - 0.70	
45	46.19	GERANIAL	0.20		0.20
46	46.41	BICYCLOGERMACRENE	0.02		
47	47.74	GERANYL ACETATE	0.63		0.63
48	48.87	trans-alpha-BISABOLENE	0.01		
49	50.02	NEROL	0.06		
50	52.67	GERANIOL	0.05		0.05
51	55.82	PERILLYL ACETATE	0.02		
52	63.35	NEROLIDOL	0.03		
53	67.67	SESQUITERPENIC COMPOUND	0.01		
54	67.78	ALIPHATIC ESTER	0.01		
55	69.67	CAMPHERENOL	0.01		
56	72.12	alpha-BISABOLOL	0.03		
57	75.00	DIMETHYL METHYLPENTENYL NORBORNANOL	0.02		
58	84.32	NOOTKATONE	0.13		
59	88.98	MYRISTIC ACID	0.06		
60	91.80	ALDEHYDE COMPOUND	0.01		
61	95.49	PALMITIC ACID	0.08		
62	96.56	NONACOSANE	0.03		
63	99.38	ALDEHYDE COMPOUND	0.10		
64	100.45	ALIPHATIC ESTER	0.01		
65	103.27	ALIPHATIC ESTER	0.02		
66	104.34	ALDEHYDE COMPOUND	0.01		
67	105.58	COMPOUND Mw=266	0.02		
68	105.77	ALIPHATIC COMPOUND	0.01		
69	109.16	LINOLENIC ACID	0.15		
70	110.48	ALDEHYDE COMPOUND	0.04		
71	112.21	ALKEN COMPOUND	0.01		
72	115.57	LIMETTIN	0.14		
73	127.80	ALDEHYDE COMPOUND	0.03		
74	130.57	BERGAPTEN	0.13		
		TOTAL	99.96		84.77

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.

Eden Botanicals

www.edenbotanicals.com

info@edenbotanicals.com

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

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