



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 #	18
MANUFACTURED	November 2022
BEST BY DATE	November 2024

	SPECIFICATIONS (Range)	
SPECIFIC GRAVITY @20°C	0.86 – 0.89	na
REFRACTIVE INDEX @20°C	1.45 – 1.47	1.4675
OPTICAL ROTATION @20°C	+8° to +38°	na

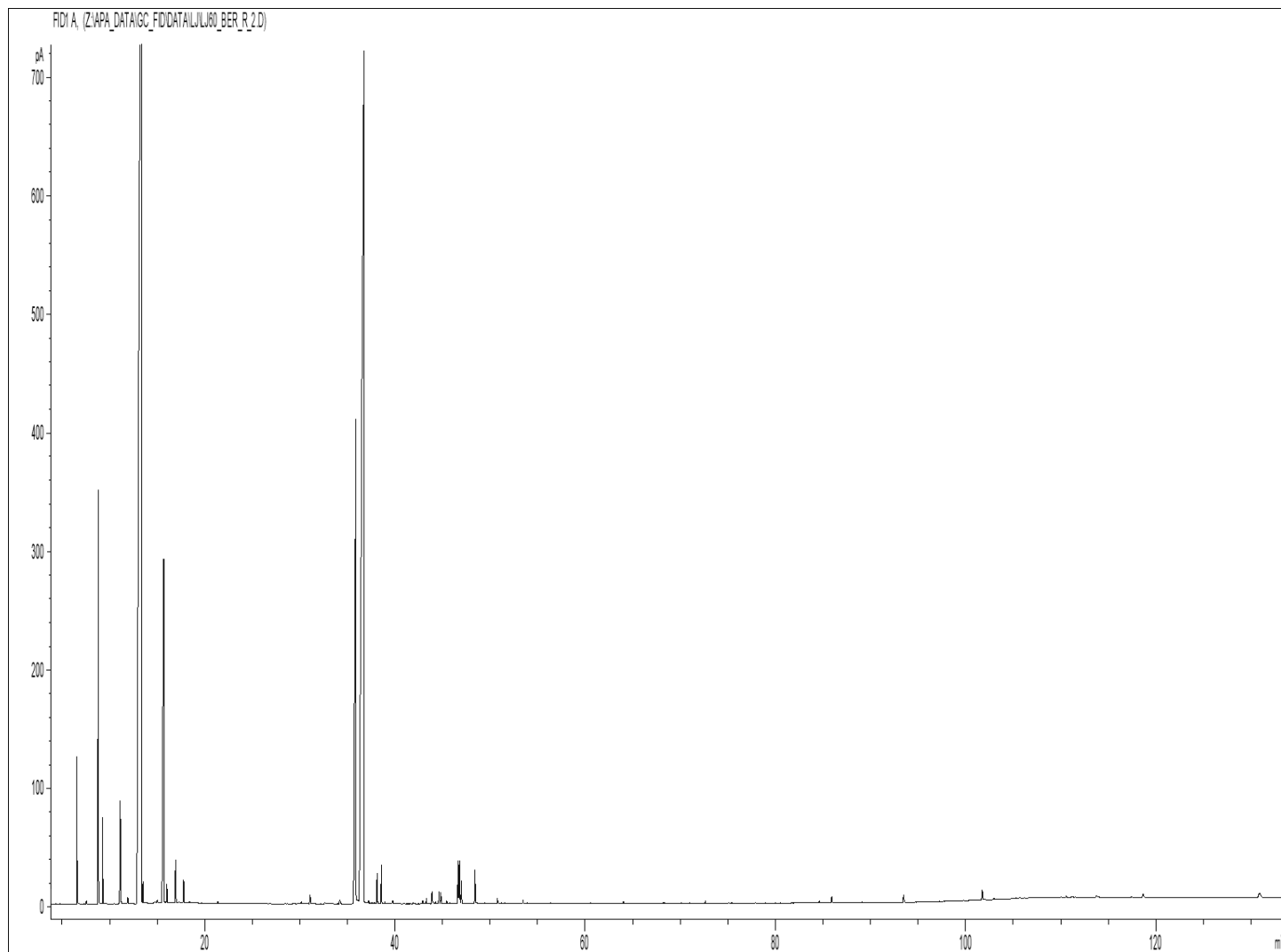
PHYSICAL APPEARANCE	Transparent liquid. Some deposits may appear (waxes).	Conforms
COLOR	Greenish yellow to green	Conforms
ODOR	Fresh, zesty, citrus aroma.	Conforms
SOLUBILITY	Soluble in alcohol and fixed oils	
SPECIAL USE INSTRUCTIONS	Dilute before use. Refrigerate to preserve freshness.	

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

CHROMATOGRAPHIC PROFILE :



- ORGANIC BERGAMOT EO - SKU 125 LOT 18 -

Peaks	RT (min)	Compound name	%	Standard (%)	Allergens (%)
1	6.55	alpha-PINENE	0.75		0.75
2	6.61	alpha-THUYENE	0.21		
3	7.54	CAMPHERE	0.02		
4	8.82	beta-PINENE	3.47		3.47
5	9.26	SABINENE	0.64		
6	11.10	beta-MYRCENE	0.96		
7	11.11	alpha-PHELLANDRENE	0.02		
8	11.89	alpha-TERPINENE	0.08		0.08
9	13.30	LIMONENE	40.46	32.0 - 47.0	40.46
10	13.49	beta-PHELLANDRENE	0.18		
11		1,8-CINEOLE			
12	15.00	cis-beta-OCIMENE	0.02		
13	15.67	gamma-TERPINENE	5.25		
14	16.01	trans-beta-OCIMENE	0.17		
15	16.93	p-CYMENE	0.41		
16	17.29	HEXYL ACETATE	0.01		
17	17.76	TERPINOLENE	0.22		0.22
18	18.38	OCTANAL	0.02		
19	21.39	5-HEPTEN-2-ONE, 6-METHYL-	0.02		
20	30.17	trans-THUYANOL	0.03		
21	31.09	OCTYL ACETATE	0.10		
22	32.62	DECANAL	0.02		
23	34.22	E-SOLANONE	0.06		
24	35.90	LINALOOL	9.67	3.0 - 15.0	9.67
25	36.75	LINALYL ACETATE	32.92	22.0 - 36.0	32.92
26	37.23	alpha-cis-BERGAMOTENE	0.03		
27	37.38	alpha-SANTALENE	0.01		
28	37.57	BORNYL ACETATE	0.01		
29	37.86	ALIPHATIC ESTER	0.01		
30	38.15	alpha-trans-BERGAMOTENE	0.31		
31	38.59	beta-CARYOPHYLLENE	0.41		0.41
32	38.97	TERPINENE-4-OL	0.02		
33	39.78	LINALYL PROPIONATE	0.05		
34	41.90	beta-SANTALENE	0.01		
35	42.92	alpha-HUMULENE	0.03		
36	42.93	CITRONELLYL ACETATE	0.02		
37	43.32	E-beta-FARNESENE	0.05		
38	43.92	NERAL	0.17		0.17
39	44.27	Z-beta-FARNESENE	0.02		
40	44.64	TERPENYL ACETATE	0.13		
41	44.84	alpha-TERPINEOL	0.12		0.12
42	45.45	GERMACRENE D	0.03		
43	46.65	NERYL ACETATE	0.44		

- ORGANIC BERGAMOT EO - SKU 125 LOT 18 -

Peaks	RT (min)	Compound name	%	Standard (%)	Allergens (%)
44	46.80	beta-BISABOLENE	0.54	0.30 - 0.70	
45	47.00	GERANIAL	0.26	0.25 - 0.50	0.26
46	48.43	GERANYL ACETATE	0.37		0.37
47	49.50	trans-alpha-BISABOLENE	0.01		
48	50.79	NEROL	0.06		
49	51.21	cis-EPOXYLINALYL ACETATE	0.01		
50	53.49	GERANIOL	0.04		0.04
51	53.92	PERILLYL ACETATE	0.01		
52	56.39	COMPOSÉ Mw=152	0.01		
53	64.05	NEROLIDOL	0.02		
54	68.16	SESQUITERPENIC COMPOUND	0.02		
55	68.32	AROMATIC COMPOUND	0.02		
56	70.09	CAMPHERENOL	0.02		
57	72.64	alpha-BISABOLOL	0.02		
58	75.10	CAPRIC ACID	0.01		
59	75.41	DIMETHYL METHYLPENTENYL NORBORNANOL	0.02		
60	77.90	ALIPHATIC COMPOUND	0.01		
61	84.65	MYRISTIC ACID	0.03		
62	85.94	NOOTKATONE	0.09		
63	89.15	TRIDECANOIC ACID	0.01		
64	93.49	ACID COMPOUND	0.09		
65	101.76	PALMITIC ACID	0.14		
66	102.99	NONACOSANE	0.02		
67	105.33	ALDEHYDIC COMPOUND	0.01		
68	105.70	ALIPHATIC COMPOUND	0.02		
69	110.02	ALIPHATIC ESTER	0.02		
70	110.58	AROMATIC COMPOUND Mw=266	0.03		
71	111.22	ALIPHATIC COMPOUND	0.05		
72	113.77	LINOLEIC ACID	0.05		
73	118.67	LIMETTIN	0.09		
74	130.92	BERGAPTEN	0.17		
		TOTAL	99.87		88.94

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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