



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 #	19
MANUFACTURING DATE	February 2025
BEST BY DATE	February 2027

	SPECIFICATIONS (Range)	
SPECIFIC GRAVITY @20°C	0.86 – 0.89	na
REFRACTIVE INDEX @20°C	1.45 – 1.47	1.4689
OPTICAL ROTATION @20°C	+8° to +38°	na

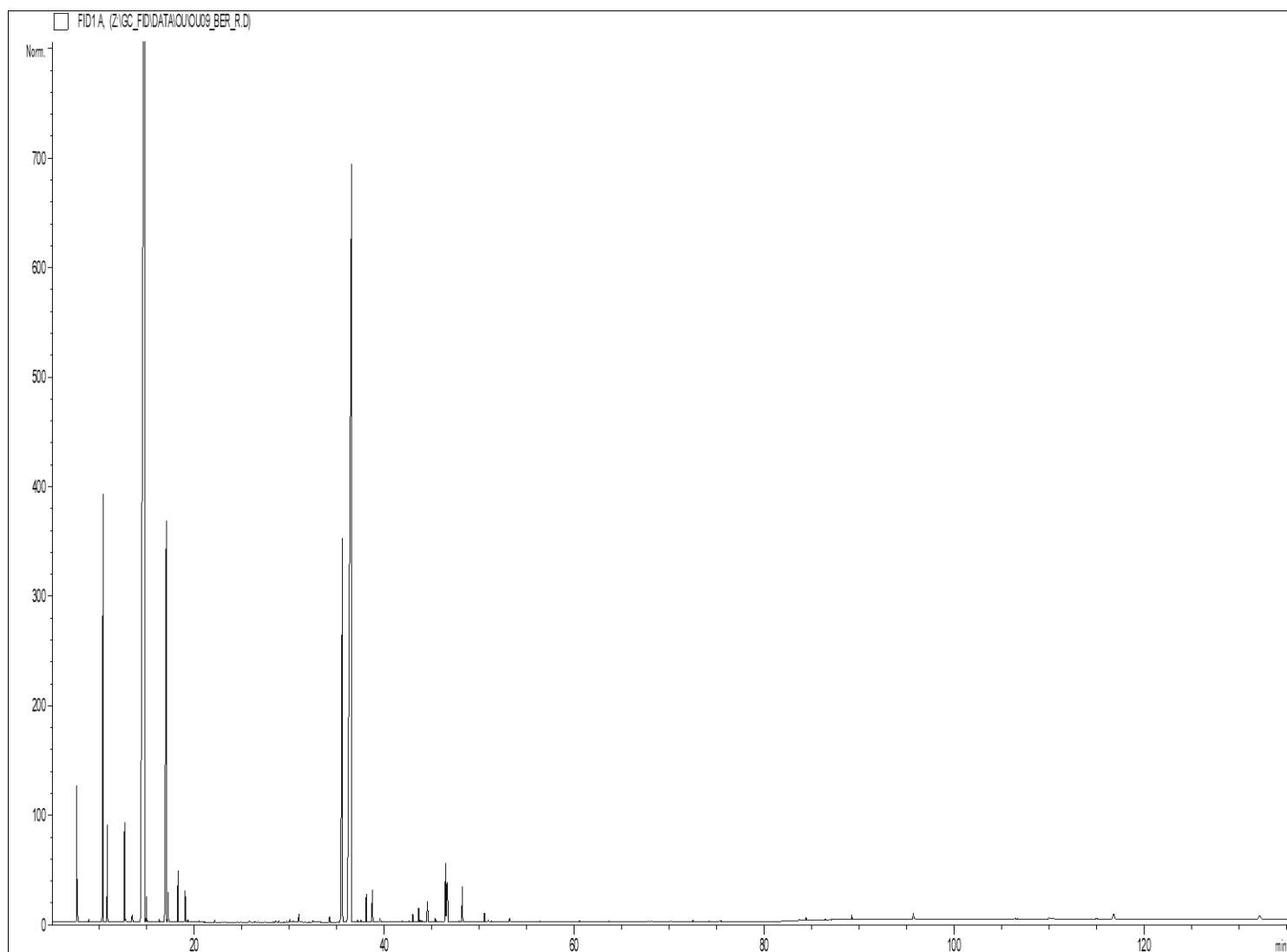
PHYSICAL APPEARANCE	Transparent liquid. Some deposits may appear (waxes).	Conforms
COLOR	Greenish yellow to green	Conforms
ODOR	Fresh, zesty, citrus aroma.	Conforms
SOLUBILITY	Soluble in alcohol and fixed oils	
SPECIAL USE INSTRUCTIONS	Dilute before use. Refrigerate to extend freshness.	

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:



120 Bergamot

- BERGAMOT EO - SKU 120 lot 19 -

Peaks	RT (min)	Compound name	%	Standard (%)	Allergens (%)
1	7.66	alpha-PINENE	0.99		0.99
2	7.74	alpha-THUYENE	0.27		
3	8.94	CAMPHENE	0.02		
4	10.44	beta-PINENE	4.37	4.0 - 8.5	4.37
5	10.89	SABINENE	0.82		
6	12.70	beta-MYRCENE	1.12		
7	12.81	alpha-PHELLANDRENE	0.03		
8	13.50	alpha-TERPINENE	0.12		0.12
9	14.81	LIMONENE	44.27	32.0 - 47.0	44.27
10	15.02	beta-PHELLANDRENE	0.20		
11		1,8-CINEOLE			
12	16.35	cis-beta-OCIMENE	0.03		
13	17.09	gamma-TERPINENE	6.69	6.0 - 10.0	
14	17.30	trans-beta-OCIMENE	0.26		
15	18.33	p-CYMENE	0.48		
16	19.07	TERPINOLENE	0.30		0.30
17	19.35	OCTANAL	0.02		
18	22.21	5-HEPTEN-2-ONE, 6-METHYL-	0.02		
19	25.80	NONANAL	0.02		
20	28.63	LINALOOL cis-OXIDE	0.01		
21	28.96	LIMONENE cis-1,2-EPOXIDE	0.02		
22	29.76	LIMONENE trans-1,2-EPOXIDE	0.01		
23	30.10	trans-THUYANOL	0.03		
24	30.45	LINALOOL trans-OXIDE	0.01		
25	31.06	OCTYL ACETATE	0.09		
26	32.52	DECANAL	0.04		
27	34.29	E-SOLANONE	0.08		
28	35.64	LINALOOL	7.06	3.0 - 15.0	7.06
29	36.61	LINALYL ACETATE	27.86	22.0 - 36.0	27.86
30	37.25	alpha-cis-BERGAMOTENE	0.02		
31	37.57	NONYLE ACETATE	0.02		
32	37.69	BORNYL ACETATE	0.02		
33	38.16	alpha-trans-BERGAMOTENE	0.31		
34	38.79	beta-CARYOPHYLLENE	0.36		0.36
35	38.84	TERPINENE-4-OL	0.04		
36	39.58	LINALYL PROPIONATE	0.04		
37	39.72	SESQUITERPENE	0.01		
38	41.93	beta-SANTALENE	0.01		
39	42.63	CITRONELLYL ACETATE	0.02		
40	43.03	alpha-HUMULENE	0.10		
41	43.66	NERAL	0.17		0.17
42	43.81	DECYL ACETATE	0.02		
43	44.01	Z-beta-FARNESENE	0.02		

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Peaks	RT (min)	Compound name	%	Standard (%)	Allergens (%)
44	44.57	TERPENYL ACETATE	0.16		
45	44.60	alpha-TERPINEOL	0.16		0.16
46	45.40	GERMACRENE D	0.05		
47	45.56	TERPENIC ESTER	0.02		
48	46.48	NERYL ACETATE	0.47		
49	46.54	beta-BISABOLENE	0.35	0.30 - 0.70	
50	46.64	GERANIAL	0.82	0.25 - 0.50	0.82
51	47.92	E,E-alpha-FARNESENE	0.01		
52	48.25	GERANYL ACETATE	0.41		0.41
53	49.34	trans-alpha-BISABOLENE	0.01		
54	50.58	NEROL	0.11		
55	50.98	cis-EPOXYLINALYL ACETATE	0.02		
56	51.30	trans-EPOXYLINALYL ACETATE	0.02		
57	53.23	GERANIOL	0.06		0.06
58	56.40	COMPOUND Mw=152	0.01		
59	60.58	CARYOPHYLLENE OXIDE	0.02		
60	63.72	NEROLIDOL	0.02		
61	67.82	SPATHULENOL	0.02		
62	68.18	SESQUITERPENOL	0.02		
63	70.18	CAMPHERENOL	0.02		
64	72.54	alpha-BISABOOL	0.03		
65	75.51	DIMETHYL METHYLPENTENYL NORBORNANOL	0.02		
66	83.69	LAURIC ACID	0.02		
67	84.43	NOOTKATONE	0.03		
68	89.23	MYRISTIC ACID	0.06		
69	95.71	PALMITIC ACID	0.12		
70	99.85	ALIPHATIC ESTER	0.01		
71	104.96	AROMATIC COMPOUND	0.01		
72	106.43	COMPOUND Mw=166	0.03		
73	106.68	AROMATIC COMPOUND	0.02		
74	110.01	LINOLEIC ACID	0.12		
75	114.96	LINOLENIC ACID	0.05		
76	116.81	LIMETTIN	0.17		
77	132.16	BERGAPTEN	0.17		
		TOTAL	99.99		86.92

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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