



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 #	16
MANUFACTURING DATE	January 2023
BEST BY DATE	January 2026

	SPECIFICATIONS (Range)	
SPECIFIC GRAVITY @20°C	0.86 – 0.89	na
REFRACTIVE INDEX @20°C	1.45 – 1.47	1.4669
OPTICAL ROTATION @20°C	+8° to +38°	na

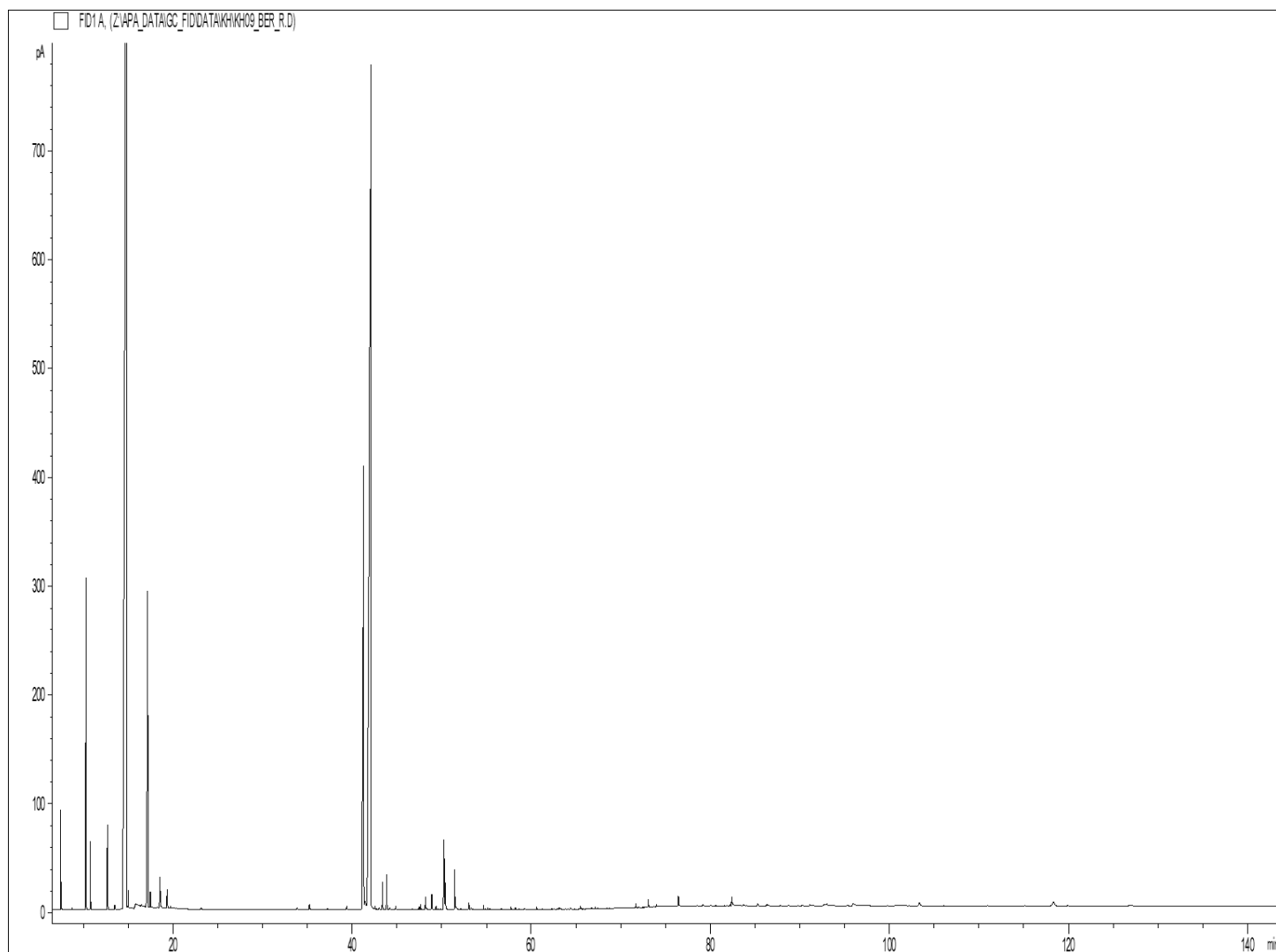
PHYSICAL APPEARANCE	Transparent liquid. Some deposits may appear (waxes).	Conforms
COLOR	Greenish yellow to green	Conforms
ODOR	Fresh, zesty, citrus aroma.	Conforms
SOLUBILITY	Soluble in alcohol and fixed oils	
SPECIAL USE INSTRUCTIONS	Dilute before use. Refrigerate to extend freshness.	

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

CHROMATOGRAPHIC PROFILE:



- BERGAMOT EO - SKU 120 LOT 16 -					
Peaks	RT (min)	Compound name	%	Standard (%)	Allergens (%)
1	7.46	alpha-PINENE	0.74		
2	7.55	alpha-THUYENE	0.19		
3	8.77	CAMPHENE	0.02		
4	10.29	beta-PINENE	3.40		
5	10.78	SABINENE	0.63		
6	12.67	beta-MYRCENE	0.97		
7		alpha-PHELLANDRENE			
8	13.48	alpha-TERPINENE	0.07		
9	14.77	LIMONENE	39.49	32.0 - 47.0	39.49
10	14.92	1,8-CINEOLE	0.04		
11	15.01	beta-PHELLANDRENE	0.18		
12	16.46	cis-beta-OCIMENE	0.03		
13	17.18	gamma-TERPINENE	5.20		
14	17.46	trans-beta-OCIMENE	0.17		
15	18.56	p-CYMENE	0.35		
16	18.68	HEXYL ACETATE	0.02		
17	19.37	TERPINOLENE	0.21		
18	19.76	OCTANAL	0.02		
19	23.17	5-HEPTEN-2-ONE, 6-METHYL-	0.02		
20	27.70	NONANAL	0.01		
21	33.86	trans-THUYANOL	0.03		
22	34.31	LINALOOL trans-OXIDE	0.01		
23	34.42	delta-ELEMENE	0.02		
24	35.25	OCTYL ACETATE	0.09		
25	37.27	DECANAL	0.04		
26	39.42	E-SOLANONE	0.06		
27	41.29	LINALOOL	9.78	3.0 - 15.0	
28	42.11	LINALYL ACETATE	33.52	22.0 - 36.0	
29	42.54	alpha-cis-BERGAMOTENE	0.04		
30	42.70	alpha-SANTALENE	0.02		
31	42.99	BORNYL ACETATE	0.02		
32	43.03	ALIPHATIC ESTER	0.01		
33	43.40	alpha-trans-BERGAMOTENE	0.32		
34	43.86	beta-CARYOPHYLLENE	0.41		
35	44.20	TERPINENE-4-OL	0.02		
36	44.87	epi-beta-SANTALENE	0.01		
37	44.88	LINALYL PROPIONATE	0.04		
38	46.70	beta-SANTALENE	0.01		
39	47.41	CITRONELLYL ACETATE	0.01		
40	47.52	alpha-HUMULENE	0.03		
41	47.66	E-beta-FARNESENE	0.05		
42	48.19	NERAL	0.13		0.13
43	48.29	Z-beta-FARNESENE	0.02		

- BERGAMOT EO - SKU 120 LOT 16 -					
Peaks	RT (min)	Compound name	%	Standard (%)	Allergens (%)
44	48.30	DECYL ACETATE	0.02		
45	48.88	TERPENYL ACETATE	0.27		
46		alpha-TERPINEOL			
47	49.36	GERMACRENE D	0.05		
48	49.60	SESQUITERPENE	0.02		
49	50.25	NERYL ACETATE	0.48		
50	50.26	beta-BISABOLENE	0.52	0.30 - 0.70	
51	50.42	GERANIAL	0.28	0.25 - 0.50	0.28
52	51.46	GERANYL ACETATE	0.45		
53	51.76	CITRONELLOL	0.02		0.02
54	51.96	SESQUITERPENE	0.01		
55	52.14	SESQUITERPENE	0.02		
56	53.03	NEROL	0.07		
57	53.28	cis-EPOXYLINALYL ACETATE	0.02		
58	53.48	trans-EPOXYLINALYL ACETATE	0.01		
59	54.67	GERANIOL	0.04		0.04
60	54.79	cis-CARVEOL	0.01		
61	55.12	ALIPHATIC ESTER	0.02		
62	56.65	ALIPHATIC ESTER	0.01		
63	57.73	ALIPHATIC ALCOHOL	0.02		
64	58.21	HEXENYLIC ESTER	0.02		
65	60.61	NEROLIDOL	0.02		
66	63.13	SESQUITERPENIC COMPOUND	0.02		
67	63.22	CAMPHERENOL	0.01		
68	64.36	alpha-BISABOLOL	0.01		
69	65.51	ALLO-HIMACHALOL	0.03		
70	66.75	SESQUITERPENIC COMPOUND	0.02		
71	67.17	DIMETHYL METHYLPENTENYL NORBORNANOL	0.02		
72	71.67	LAURIC ACID	0.04		
73	73.08	NOOTKATONE	0.08		
74	73.97	TRIDECANOIC ACID	0.02		
75	76.42	MYRISTIC ACID	0.12		
76	79.16	ALDEHYDE COMPOUND	0.02		
77	82.19	NONACOSANE	0.01		
78	82.39	PALMITIC ACID	0.17		
79	85.27	ALIPHATIC ALCOHOL	0.03		
80	86.28	ALIPHATIC COMPOUND	0.03		
81	88.73	SQUALENE	0.01		
82	91.10	ALIPHATIC COMPOUND	0.02		
83	92.74	ALIPHATIC COMPOUND	0.04		
84	93.00	AROMATIC COMPOUND Mw=266	0.05		
85	95.96	ALDEHYDE COMPOUND	0.07		
86	100.73	LINOLEIC ACID	0.02		

- BERGAMOT EO - SKU 120 LOT 16 -					
Peaks	RT (min)	Compound name	%	Standard (%)	Allergens (%)
87	103.36	LIMETTIN	0.09		
88	118.30	BERGAPTEN	0.17		
		TOTAL	99.92		39.97

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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