



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 #	18
MANUFACTURING DATE	January 2025
BEST BY DATE	January 2027

	SPECIFICATIONS (Range)	
SPECIFIC GRAVITY @20°C	0.86 – 0.89	na
REFRACTIVE INDEX @20°C	1.45 – 1.47	1.4672
OPTICAL ROTATION @20°C	+8° to +38°	na

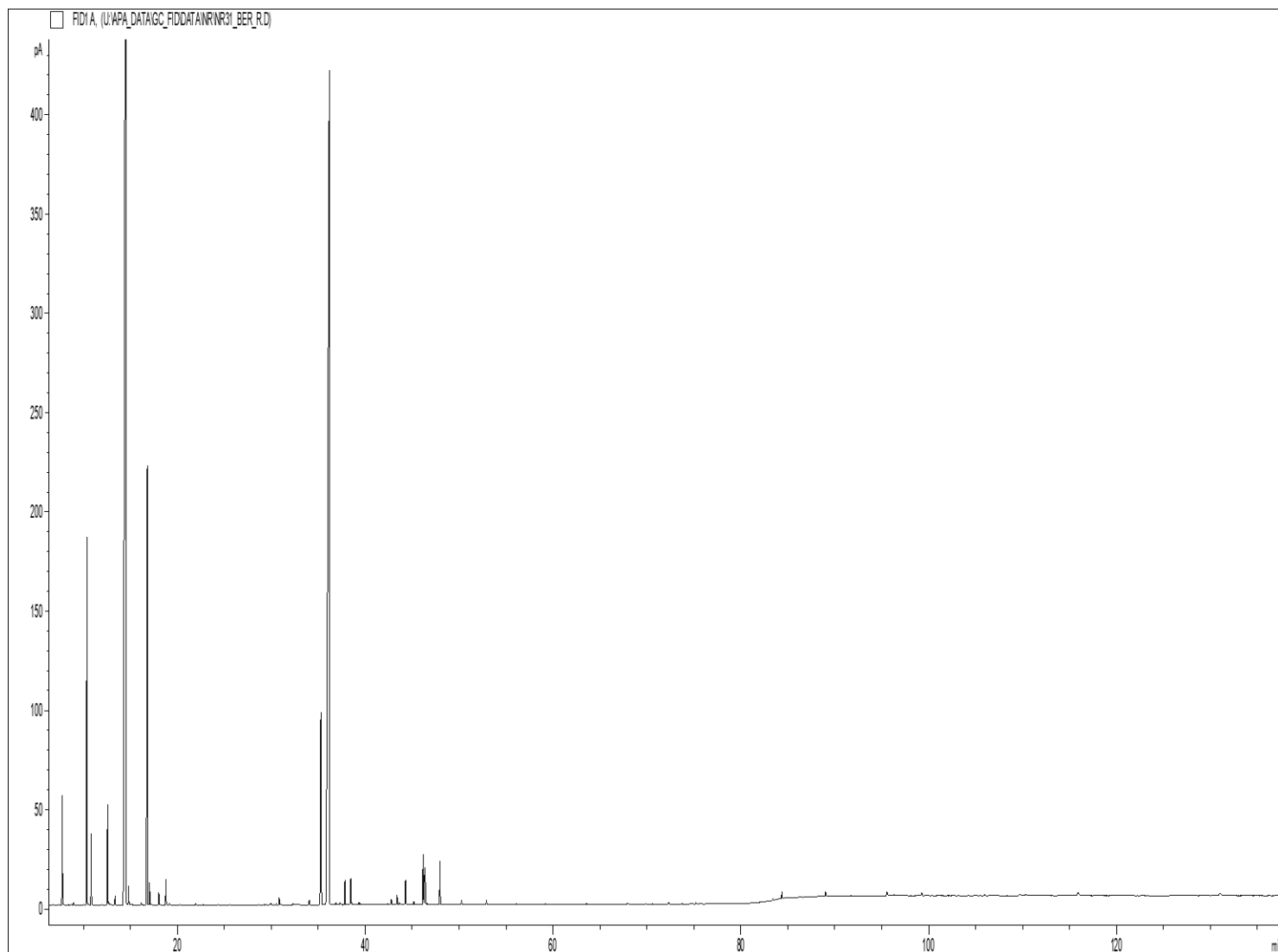
PHYSICAL APPEARANCE	Transparent liquid. Some deposits may appear (waxes).	Conforms
COLOR	Greenish yellow to green	Conforms
ODOR	Fresh, zesty, citrus aroma.	Conforms
SOLUBILITY	Soluble in alcohol and fixed oils	
SPECIAL USE INSTRUCTIONS	Dilute before use. Refrigerate to extend freshness.	

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:



- BERGAMOT EO - SKU 120 LOT 18 -

Peaks	RT (min)	Compound name	%	Standard (%)	Allergens (%)
1	7.73	alpha-PINENE	0.91		0.91
2	7.81	alpha-THUYENE	0.25		
3	8.96	CAMPHERE	0.02		
4	10.38	beta-PINENE	3.93	4.0 - 8.5	3.93
5	10.84	SABINENE	0.71		
6	12.57	beta-MYRCENE	1.15		
7	12.70	alpha-PHELLANDRENE	0.04		
8	13.37	alpha-TERPINENE	0.11		0.11
9	14.55	LIMONENE	46.74	32.0 - 47.0	46.74
10	14.82	beta-PHELLANDRENE	0.19		
11		1,8-CINEOLE			
12	16.14	cis-beta-OCIMENE	0.03		
13	16.82	gamma-TERPINENE	7.11	6.0 - 10.0	
14	17.06	trans-beta-OCIMENE	0.25		
15	18.04	p-CYMENE	0.15		
16	18.80	TERPINOLENE	0.30		0.30
17	19.16	OCTANAL	0.02		
18	21.95	5-HEPTEN-2-ONE, 6-METHYL-	0.02		
19	29.98	5-HEPTEN-2-OL, 6-METHYL-	0.02		
20	30.56	trans-THUYANOL	0.02		
21	30.86	OCTYL ACETATE	0.10		
22	32.31	DECANAL	0.03		
23	34.07	E-SOLANONE	0.07		
24	35.31	LINALOOL	3.65	3.0 - 15.0	3.65
25	36.19	LINALYL ACETATE	29.06	22.0 - 36.0	29.06
26	36.91	alpha-cis-BERGAMOTENE	0.02		
27	37.36	BORNYL ACETATE	0.03		
28	37.86	alpha-trans-BERGAMOTENE	0.35		
29	38.47	beta-CARYOPHYLLENE	0.39		0.39
30	38.58	TERPINENE-4-OL	0.03		
31	39.36	LINALYL PROPIONATE	0.03		
32	39.47	SESQUITERPENE	0.01		
33	41.66	beta-SANTALENE	0.01		
34	42.42	CITRONELLYL ACETATE	0.03		
35	42.79	alpha-HUMULENE	0.09		
36	43.41	NERAL	0.15		0.15
37	43.66	DECYL ACETATE	0.03		
38	43.75	Z-beta-FARNESENE	0.02		
39	44.31	TERPENYL ACETATE	0.19		
40	44.35	alpha-TERPINEOL	0.20		0.20
41	45.18	GERMACRENE D	0.05		
42	46.19	NERYL ACETATE	0.73		
43	46.37	beta-BISABOLENE	0.56	0.30 - 0.70	

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Peaks	RT (min)	Compound name	%	Standard (%)	Allergens (%)
44	46.40	GERANIAL	0.28	0.25 - 0.50	0.28
45	46.60	BICYCLOGERMACRENE	0.02		
46	47.98	GERANYL ACETATE	0.63		0.63
47	49.08	trans-alpha-BISABOLENE	0.01		
48	50.28	NEROL	0.06		
49	52.92	GERANIOL	0.07		0.07
50	53.79	cis-CARVEOL	0.01		
51	56.08	TERPENIC ESTER	0.02		
52	59.19	3,7-OCTADIENE-2,6-DIOL, 2,6-DIMETHYL-	0.01		
53	61.04	ALIPHATIC ESTER	0.02		
54	63.56	NEROLIDOL	0.02		
55	67.90	SESQUITERPENOL	0.01		
56	68.02	SESQUITERPENOL	0.01		
57	69.91	CAMPHERENOL	0.01		
58	72.34	alpha-BISABOOL	0.03		
59	75.24	DIMETHYL METHYLPENTENYL NORBORNANOL	0.02		
60	84.37	NOOTKATONE	0.09		
61	89.02	MYRISTIC ACID	0.06		
62	95.54	PALMITIC ACID	0.14		
63	96.32	NONACOSANE	0.02		
64	99.26	TETRACOSANAL	0.06		
65	103.16	SQUALENE	0.02		
66	105.93	AROMATIC COMPOUND	0.03		
67	106.55	LINOLEIC ACID	0.03		
68	109.47	LINOLENIC ACID	0.14		
69	115.90	LIMETTIN	0.13		
70	131.03	BERGAPTEN	0.13		
		TOTAL	99.88		86.43

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

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