



CERTIFICATE of ANALYSIS (COA)

COMMON NAME	Bergamot FCF
LATIN NAME	<i>Citrus aurantium</i> var. <i>bergamia</i>
COUNTRY OF ORIGIN	Italy
CULTIVATION METHOD	Conventional
TYPE	Essential Oil
EXTRACTION METHOD	Cold Pressed and Vacuum Distilled
PLANT PART	Peels
USE	Aromatherapy, Natural Perfumery

SKU	129
LOT #	26
MANUFACTURING DATE	December 2024
BEST BY DATE	December 2026

	SPECIFICATIONS (Range)	
SPECIFIC GRAVITY @20°C	0.86-0.89	na
REFRACTIVE INDEX @20°C	1.45-1.47	1.4646
OPTICAL ROTATION @20°C	+8° to +38°	na

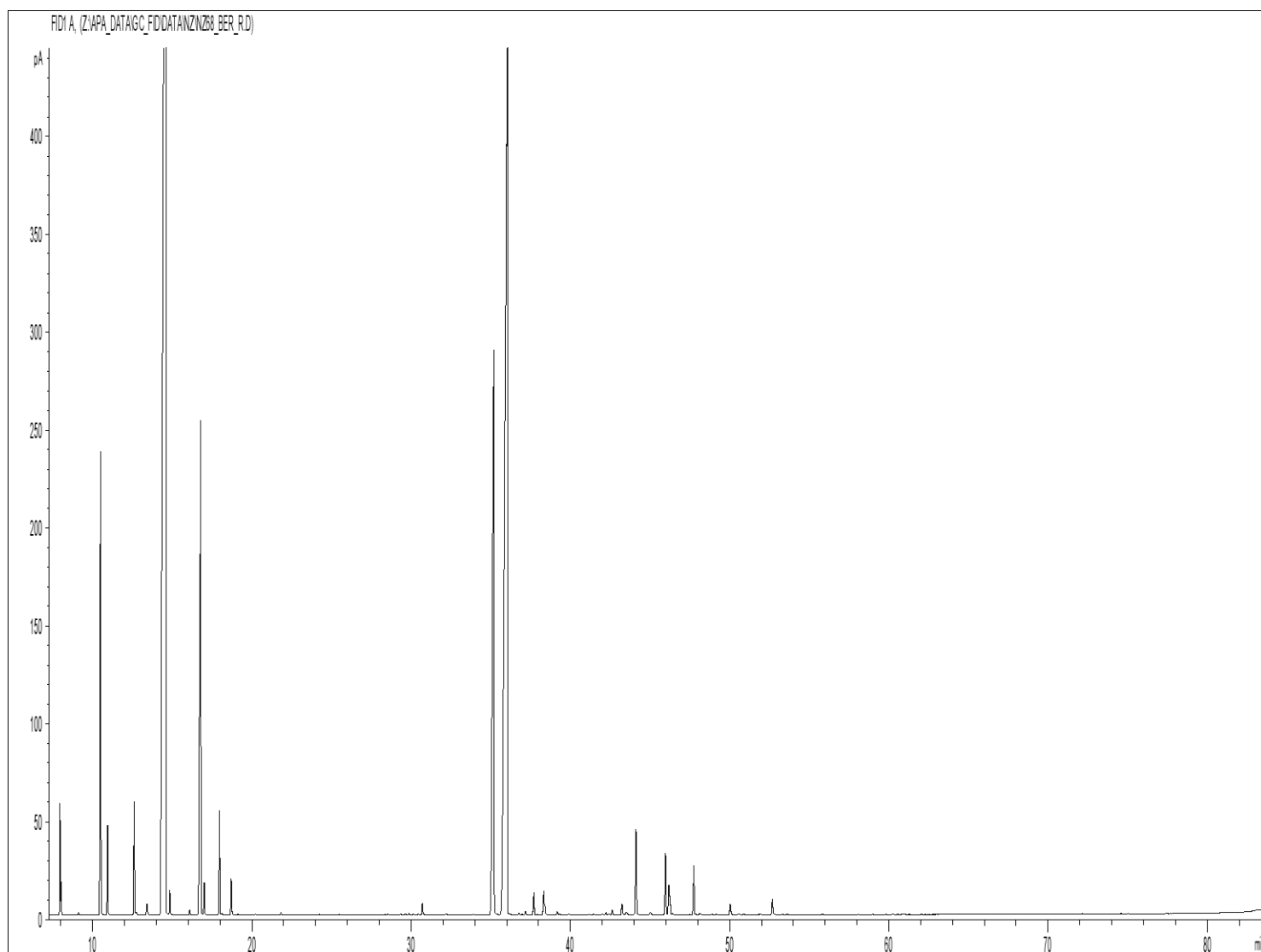
PHYSICAL APPEARANCE	Transparent liquid	Conforms
COLOR	Colorless to pale yellowish-green	Conforms
ODOR	Pleasantly sweet, fresh, citrus aroma	Conforms
SOLUBILITY	Soluble in alcohol and fixed oils	
SPECIAL USE INSTRUCTIONS	Dilute before use. Refrigerate to preserve freshness.	

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

CHROMATOGRAPHIC PROFILE:



- BERGAMOT FCF EO - SKU 129 LOT 26 -

Peaks	RT (min)	Compound name	%	Standard (%)	Allergens (%)
1	7.93	alpha-PINENE	0.76		0.76
2	8.00	alpha-THUYENE	0.21		
3	9.12	CAMPHENE	0.02		
4	10.50	beta-PINENE	4.09	4.0 - 8.5	4.09
5	10.94	SABINENE	0.72		
6	12.62	beta-MYRCENE	1.08		
7	12.76	alpha-PHELLANDRENE	0.03		
8	13.41	alpha-TERPINENE	0.13		0.13
9	14.60	LIMONENE	43.54	32.0 - 47.0	43.54
10	14.85	beta-PHELLANDRENE	0.19		
11		1,8-CINEOLE			
12	16.10	cis-beta-OCIMENE	0.05		
13	16.79	gamma-TERPINENE	6.69	6.0 - 10.0	
14	17.01	trans-beta-OCIMENE	0.27		
15	17.97	p-CYMENE	0.96		
16	18.12	HEXYL ACETATE	0.01		
17	18.71	TERPINOLENE	0.34		0.34
18	21.82	OCTANAL	0.03		
19	28.54	LIMONENE trans-1,2-EPOXIDE	0.01		
20	29.64	5-HEPTEN-2-OL, 6-METHYL-	0.01		
21	29.85	trans-THUYANOL	0.01		
22	30.71	OCTYL ACETATE	0.13		
23	32.18	DECANAL	0.02		
24	35.19	LINALOOL	10.06	3.0 - 15.0	10.06
25	36.06	LINALYL ACETATE	26.51	22.0 - 36.0	26.51
26	36.76	alpha-cis-BERGAMOTENE	0.02		
27	37.20	BORNYL ACETATE	0.04		
28	37.70	alpha-trans-BERGAMOTENE	0.23		
29	38.32	beta-CARYOPHYLLENE	0.28		0.28
30	38.39	TERPINENE-4-OL	0.09		
31	39.16	LINALYL PROPIONATE	0.03		
32	39.30	SESQUITERPENE	0.01		
33	42.23	beta-SANTALENE	0.02		
34	42.61	CITRONELLYL ACETATE	0.06		
35	43.23	NERAL	0.12		0.12
36	43.52	DECYL ACETATE	0.04		
37	44.12	alpha-TERPINEOL	0.83		0.83
38	44.13	TERPENYL ACETATE	0.18		
39	45.03	GERMACRENE D	0.04		
40	45.97	NERYL ACETATE	0.69		
41	46.18	beta-BISABOLENE	0.33	0.30 - 0.70	
42	46.18	GERANIAL	0.21		0.21
43	46.41	BICYCLOGERMACRENE	0.01		

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Peaks	RT (min)	Compound name	%	Standard (%)	Allergens (%)
44	47.75	GERANYL ACETATE	0.55		0.55
45	48.10	1-DECANOL	0.01		
46	50.03	NEROL	0.13		
47	50.55	cis-EPOXYLINALYL ACETATE	0.01		
48	52.68	GERANIOL	0.18		0.18
		TOTAL	99.99		87.61

This Essential Oil is a 100% pure and natural product. It 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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Document created: 05.01.18

Document updated: 08.28.25