CERTIFICATE of ANALYSIS (COA)

COMMON NAME	Bergamot FCF - Organic
LATIN NAME	*Citrus aurantium* var. *bergamia*
COUNTRY OF ORIGIN	Italy
CULTIVATION METHOD	Certified Organic (USDA, NOP)
TYPE	Essential Oil
EXTRACTION METHOD	Cold Pressed and Vacuum Distilled
PLANT PART	Peels
USE	Aromatherapy, Natural Perfumery

SKU	130
LOT #	17
MANUFACTURING DATE	February 2024
BEST BY DATE	February 2026

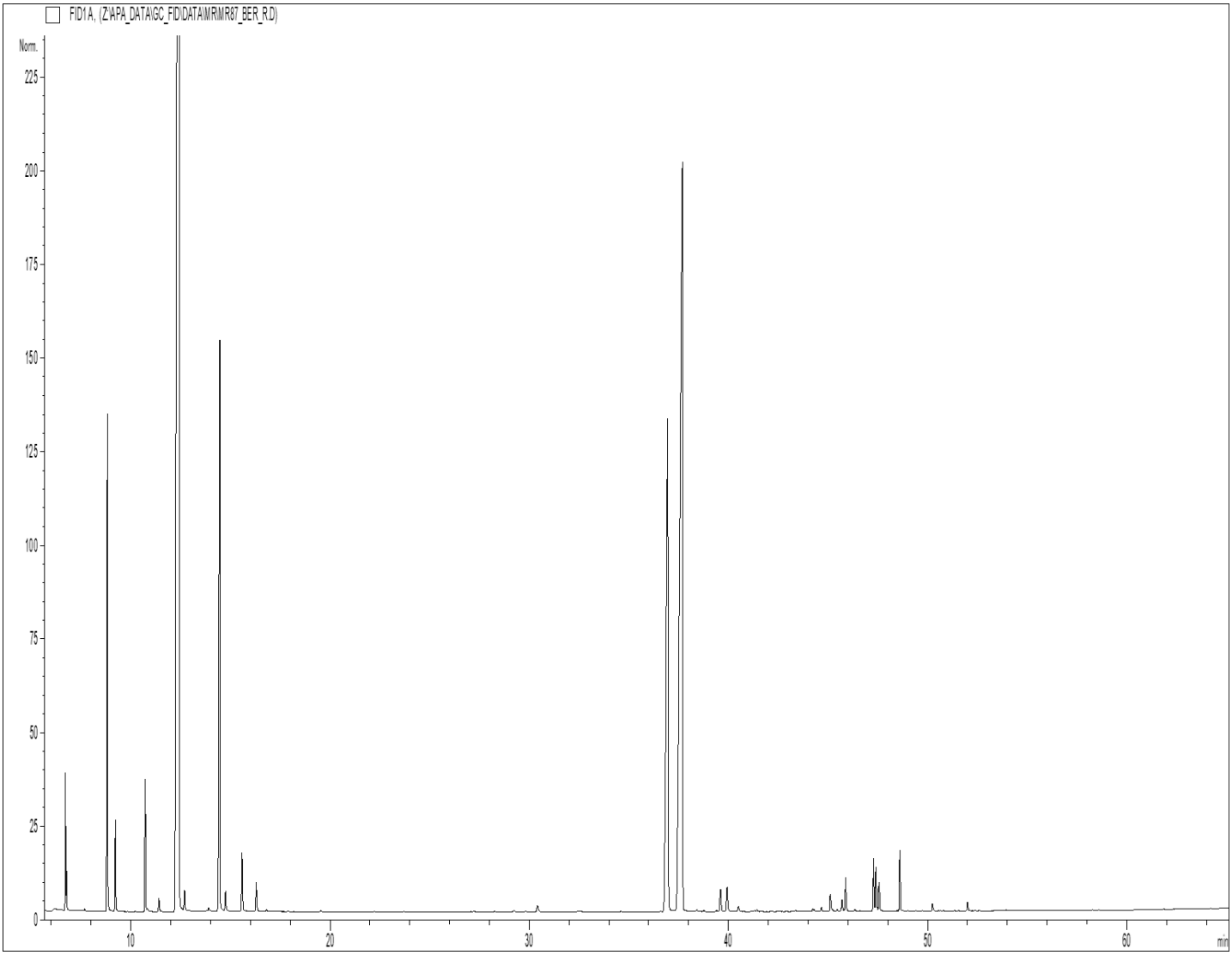
	SPECIFICATIONS (Range)	
SPECIFIC GRAVITY @20˚C	0.86 – 0.89	na
REFRACTIVE INDEX @20˚C	1.45 – 1.47	1.4646
OPTICAL ROTATION @20˚C	+8˚ to +38˚	na

PHYSICAL APPEARANCE	Transparent liquid	*Conforms*
COLOR	Colorless to pale yellowish-green	*Conforms*
ODOR	Fresh, sweet 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, Beta-Pinene.

THIRD PARTY LAB ANALYSIS (GCMS)

CHROMATOGRAPHIC PROFILE:



- ORGANIC BERGAMOT FCF EO - SKU 130 LOT 17 -					
Peaks	**RT (min)**	**Compound name**	**%**	**Standard (%)**	**Allergens (%)**
1	6,71	alpha-PINENE	0,83		0,83
2	6,77	alpha-THUYENE	0,24		
3	7,67	CAMPHENE	0,02		
4	8,82	**beta-PINENE**	**3,93**		3,93
5	9,22	SABINENE	0,74		
6	10,73	beta-MYRCENE	1,14		
7	10,84	alpha-PHELLANDRENE	0,03		
8	11,42	alpha-TERPINENE	0,14		0,14
9	12,44	**LIMONENE**	**49,56**		49,56
10	12,70	beta-PHELLANDRENE	0,26		
11		1,8-CINEOLE			
12	13,91	cis-beta-OCIMENE	0,05		
13	14,47	**gamma-TERPINENE**	**6,45**		
14	14,76	trans-beta-OCIMENE	0,21		
15	15,59	p-CYMENE	0,63		
16	16,30	TERPINOLENE	0,32		0,32
17	16,80	OCTANAL	0,03		
18	19,53	5-HEPTEN-2-ONE, 6-METHYL-	0,02		
19	27,21	ALIPHATIC ESTER	0,02		
20	29,22	trans-THUYANOL	0,02		
21	30,41	OCTYL ACETATE	0,10		
22	36,94	**LINALOOL**	**10,07**		10,07
23	37,69	**LINALYL ACETATE**	**21,33**		21,33
24	38,40	alpha-cis-BERGAMOTENE	0,02		
25	38,76	BORNYL ACETATE	0,02		
26	39,39	NONYLE ACETATE	0,02		
27	39,60	alpha-trans-BERGAMOTENE	0,32		
28	39,93	beta-CARYOPHYLLENE	0,38		0,38
29	40,50	TERPINENE-4-OL	0,08		
30	41,30	epi-beta-SANTALENE	0,01		
31	41,43	LINALYL PROPIONATE	0,02		
32	43,37	beta-SANTALENE	0,02		
33	44,23	alpha-HUMULENE	0,03		
34	44,29	CITRONELLYL ACETATE	0,02		
35	44,67	E-beta-FARNESENE	0,04		
36	45,11	NERAL	0,24		0,24
37	45,45	Z-beta-FARNESENE	0,02		
38	45,70	TERPENYL ACETATE	0,15		
39	45,88	alpha-TERPINEOL	0,37		0,37
40	46,35	GERMACRENE D	0,03		

41	47,28	NERYL ACETATE	0,50		
42	47,40	**beta-BISABOLENE**	**0,49**		
43	47,56	**GERANIAL**	**0,34**		0,34
44	48,60	GERANYL ACETATE	0,58		0,58
45	50,24	NEROL	0,09		
46	52,00	GERANIOL	0,10		0,10
47	53,94	COMPOUND Mw=152	0,01		
		TOTAL	**100,00**		**88,17**

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.

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Document created: 05.01.18
Document updated: 12.02.24