



CERTIFICATE of ANALYSIS (COA)

Bergamot FCF (SKU 129 lot 20)

LATIN NAME	<i>Citrus aurantium var. 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

ANALYZED	October 2, 2020
MANUFACTURED	February 1, 2020
RETEST	June 1, 2022

SPECIFIC GRAVITY @ 20C	0,87
REFRACTIVE INDEX @ 20C	1,46
OPTICAL ROTATION @ 20C	32,20

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

COMMENTS	
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COMPONENT	Actual %	CAS
Limonene ²	36,20%	138-86-3
Linalyl acetate	24,36%	115-95-7
Linalool ²	23,82%	78-70-6
gamma-Terpinene	5,81%	99-85-4
beta-Pinene	3,86%	127-91-3
Myrcene ¹	0,98%	123-35-3
alpha-Pinene	0,97%	80-56-8
Sabinene	0,83%	3387-41-5
para-Cymene	0,76%	99-87-6
alpha-Terpineol	0,41%	98-55-5
Geranyl acetate	0,30%	105-87-3
alpha-Thujene	0,28%	2867-05-2
Terpinolene	0,28%	586-62-9
Neryl acetate	0,19%	141-12-8
Geranial ²	0,18%	141-27-5
(E)-, beta-Ocimene	0,14%	3779-61-1
beta-Bisabolene	0,13%	495-61-4

Neral ²	0,09%	106-26-3
alpha-, trans-Bergamotene	0,07%	13474-59-4
alpha-Terpinene	0,07%	99-86-5
Caryophyllene(E-)	0,06%	13877-93-5
Terpinen-4-ol	0,05%	562-74-3
octyl-Acetate	0,04%	112-14-1
6-methyl-Hept-5-en-2-one	0,04%	110-93-0
alpha-Terpinyol acetate	0,04%	80-26-2
Nerol	0,03%	106-25-2
Total Deleted Low Purity Peaks	0,00%	
Not Identified Peaks	0,00%	
¹ = Proposition 65 compound, ² = EU Allergen		

MS Results for SKU 129 lot 20

