



CERTIFICATE of ANALYSIS (COA)

Bergamot (SKU 120 lot 13)

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

ANALYZED	January 22, 2021
MANUFACTURED	November 1, 2020
RETEST	November 1, 2022

SPECIFIC GRAVITY @ 20C	0,87
REFRACTIVE INDEX @ 20C	1,47
OPTICAL ROTATION @ 20C	31,50

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

COMMENTS	
----------	--

COMPONENT	Actual %	CAS
Limonene ²	32,42%	138-86-3
Linalyl acetate	23,38%	115-95-7
Linalool ²	12,08%	78-70-6
gamma-Terpinene	11,03%	99-85-4
beta-Pinene	10,02%	127-91-3
alpha-Pinene	1,85%	80-56-8
Sabinene	1,47%	3387-41-5
Myrcene ¹	1,36%	123-35-3
beta-Bisabolene	0,70%	495-61-4
Neryl acetate	0,61%	141-12-8
Geranyl acetate	0,57%	105-87-3
(E)-Caryophyllene	0,54%	13877-93-5
alpha-trans-Bergamotene	0,50%	13474-59-4
Terpinolene	0,49%	586-62-9
Geranial ²	0,42%	141-27-5
para-Cymene	0,39%	99-87-6
alpha-Thujene	0,38%	2867-05-2

alpha-Terpinyol acetate	0,26%	80-26-2
Neral ²	0,21%	106-26-3
alpha-Terpineol	0,15%	98-55-5
octyl-Acetate	0,15%	112-14-1
(E)-, beta-Ocimene	0,13%	3779-61-1
alpha-Terpinene	0,12%	99-86-5
Bergaptene	0,12%	484-20-8
n-Octanal	0,08%	124-13-0
Citropten	0,07%	487-06-9
n-Decanal	0,06%	112-31-2
n-Nonanal	0,05%	124-19-6
Nerol	0,04%	106-25-2
trans-(Ac vs. IPP)Sabinene hydrate acetate	0,03%	77318-47-9
Citronellyl acetate	0,02%	150-84-5
Bornyl acetate	0,02%	76-49-3
Camphene	0,01%	79-92-5
Terpinen-4-ol	0,01%	562-74-3
(Z)-beta-Ocimene	0,01%	3338-55-4
Total Deleted Low Purity Peaks	0,22%	
Not Identified Peaks	0,04%	
¹ = Proposition 65 compound, ² = EU Allergen		

MS Results for SKU 120 lot 13

