



CERTIFICATE of ANALYSIS (COA)

Chamomile, Roman (SKU 205 lot 15)

LATIN NAME	<i>Anthemis nobilis</i>
COUNTRY OF ORIGIN	USA
CULTIVATION METHOD	Conventional
TYPE	Essential Oil
EXTRACTION METHOD	Steam Distilled
PLANT PART	Flowers
USE	Aromatherapy, Natural Perfumery

ANALYZED	June 5, 2021
MANUFACTURED	July 1, 2020
RETEST	July 1, 2023

SPECIFIC GRAVITY @ 20C	n/a
REFRACTIVE INDEX @ 20C	1,45
OPTICAL ROTATION @ 20C	n/a

PHYSICAL APPEARANCE	Transparent liquid
COLOR	Ranges from colorless to pale yellow. Oil can be light blue or green when freshly distilled.
ODOR	Sweet, fruity, warm and herbaceous
SOLUBILITY	Soluble in alcohol and fixed oils.
SPECIAL USE INSTRUCTIONS	Dilute before use.

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

COMPONENT	Actual %	CAS
2-methylbutyl-Angelate	16,99%	61692-77-1
Isobutyl angelate	15,69%	7779-81-9
3-Methyl pentyl angelate	11,21%	53082-58-9
2-Butenoic acid, 2-methyl-, 2-methyl-2-propenyl ester, (Z)-	10,50%	61692-78-2
Isoamyl angelate	6,62%	10482-55-0
alpha-Pinene	3,90%	80-56-8
trans-Pinocarveol	3,50%	547-61-5
3-Methylpentyl methacrylate	2,98%	113615-00-2
2-Propenoic acid, 2-methyl-, 3-methylbutyl ester	2,76%	7336-27-8
2-Methylbutyl Isobutyrate	2,63%	2445-69-4
Isobutyl methacrylate	2,30%	97-86-9
(E)-2-Methyl-2-butenyl angelate	2,11%	90358-41-1
Germacrene D	1,87%	23986-74-5
Pinocarpone	1,85%	30460-92-5
Isobutyl isobutyrate	1,65%	97-85-8
Camphene	1,26%	79-92-5
3-Methyl pentyl-Isobutyrate	1,13%	84254-84-2

2-Methylallyl methacrylate	1,06%	816-74-0
2-Methyl butyl-2-methyl butyrate	0,80%	2445-78-5
Propyl angelate	0,69%	53082-57-8
isobutyl-, 2-methyl-Butyrate	0,62%	2445-67-2
Butyl angelate	0,58%	7785-64-0
endo-Borneol	0,51%	507-70-0
(E)-2-Methylbut-2-en-1-yl methacrylate	0,44%	88142-95-4
(E)-2-Methyl-2-butenyl isobutyrate	0,43%	95654-17-4
Isoamyl isobutyrate	0,40%	2050-01-3
3Z-Hexenyl angelate	0,30%	84060-80-0
Propanoic acid, 2-methyl-, 2-methyl-2-propenyl ester	0,29%	816-73-9
beta-Pinene	0,28%	127-91-3
Camphene hydrate	0,20%	64474-11-9
(E,E)-, alpha-Farnesene	0,20%	502-61-4
para-Cymene	0,20%	99-87-6
isobutyl-Tiglate	0,15%	61692-84-0
Prenyl acetate	0,15%	1191-16-8
Isopentyl 2-methyl butanoate	0,14%	27625-35-0
(E)-Caryophyllene	0,14%	13877-93-5
hexyl-Angelate	0,13%	65652-33-7
cis-Pinocamphone	0,11%	15358-88-0
sec-butyl-Carbinol	0,10%	137-32-6
2-methyl-, ethyl-Butyrate	0,09%	7452-79-1
Limonene ²	0,09%	138-86-3
alpha-Campholenal	0,07%	4501-58-0
Hex-(3Z)-enyl acetate	0,06%	3681-71-8
2-Methyl butyl acetate	0,05%	624-41-9
delta-Cadinene	0,05%	483-76-1
2-methylbutyl-Isovalerate	0,05%	2445-77-4
isobutyl-Isovalerate	0,05%	589-59-3
beta-Selinene	0,04%	17066-67-0
alpha-Terpineol	0,04%	98-55-5
Isoamyl acetate	0,04%	123-92-2
2-methyl-, propyl-Butyrate	0,03%	37064-20-3
Sabinene	0,02%	3387-41-5
hexyl-Butyrate	0,01%	2639-63-6
isopentyl-Propanoate	0,01%	105-68-0
Tiglic aldehyde	0,01%	497-03-0
Total Deleted Low Purity Peaks	0,00%	
Not Identified Peaks	2,44%	
¹ = Proposition 65 compound, ² = EU Allergen		

MS Results for SKU 205 lot 15

