



CERTIFICATE of ANALYSIS (COA)

Armoise (Mugwort) - Wild (SKU 78 lot 8)

LATIN NAME	<i>Artemisia herba-alba</i>
COUNTRY OF ORIGIN	Morocco
CULTIVATION METHOD	Wildcrafted
TYPE	Essential Oil
EXTRACTION METHOD	Steam Distilled
PLANT PART	Leaves
USE	Aromatherapy, Natural Perfumery

ANALYZED	August 22, 2020
MANUFACTURED	April 1, 2020
RETEST	April 1, 2023

SPECIFIC GRAVITY @ 20C	0,93
REFRACTIVE INDEX @ 20C	1,46
OPTICAL ROTATION @ 20C	n/a

PHYSICAL APPEARANCE	Transparent, mobile liquid
COLOR	Yellow to brown-yellow
ODOR	Powerful, very fresh, cool, highly diffusive, bittersweet-camphoraceous
SOLUBILITY	Soluble in alcohol and fixed oils.
SPECIAL USE INSTRUCTIONS	Dilute before use.

COMMENTS	
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COMPONENT	Actual %	CAS
trans-Thujone	39,58%	471-15-8
Camphor	31,92%	76-22-2
Camphene	6,22%	79-92-5
1,8-Cineole	4,66%	470-82-6
beta-Thujone	4,46%	33766-30-2
Sabinene	1,10%	3387-41-5
Santolina alcohol	0,97%	35671-15-9
Yomogi alcohol	0,84%	26127-98-0
para-Cymene	0,82%	99-87-6
gamma-Terpinene	0,70%	99-85-4
Isoborneol	0,67%	10385-78-1
cis-Chrysanthenyl acetate	0,62%	67999-48-8
Terpinen-4-ol	0,57%	562-74-3
Chrysanthenone	0,55%	473-06-3
alpha-Terpinene	0,51%	99-86-5
Artemisia alcohol	0,47%	27644-04-8
alpha-Pinene	0,45%	80-56-8

Tricyclene	0,44%	508-32-7
Santolina Triene	0,41%	2153-66-4
dehydro-Sabina ketone	0,34%	36262-12-1
Myrtenal	0,27%	564-94-3
Santolinyl acetate	0,23%	79507-88-3
Myrcene ¹	0,21%	123-35-3
beta-Pinene	0,19%	127-91-3
cis-(IPP vs OH)Sabinene hydrate	0,19%	17699-16-0
Germacrene D	0,15%	23986-74-5
alpha-Phellandrene	0,15%	99-83-2
beta-Phellandrene	0,14%	555-10-2
alpha-Thujene	0,14%	2867-05-2
Isobornyl acetate	0,14%	125-12-2
Terpinolene	0,12%	586-62-9
trans-Pinocarveol	0,09%	547-61-5
Sabina ketone	0,08%	513-20-2
Thuja-2,4(10)-diene	0,08%	36262-09-6
1-Octene	0,06%	111-66-0
2-methyl-, ethyl-Butyrate	0,04%	7452-79-1
Total Deleted Low Purity Peaks	0,00%	
Not Identified Peaks	1,40%	
¹ = Proposition 65 compound, ² = EU Allergen		

MS Results for SKU 78 lot 8

