CERTIFICATE of ANALYSIS (COA)

COMMON NAME	Angelica Root CO2
LATIN NAME	*Angelica archangelica*
COUNTRY OF ORIGIN	Germany
CULTIVATION METHOD	Certified Organic (USDA, NOP)
TYPE	CO2 Select Extract
EXTRACTION METHOD	Supercritical Fluid Extraction
PLANT PART	Roots
USE	Aromatherapy, Natural Perfumery.

SKU	75
LOT #	20
MANUFACTURING DATE	December 2021
BEST BY DATE	December 2026

	SPECIFICATIONS (Range)	
SPECIFIC GRAVITY @20˚C	0.97 – 1.08	1.0293
REFRACTIVE INDEX @20˚C	1.490 – 1.540	1.5285
OPTICAL ROTATION @20˚C	*na*	*na*

PHYSICAL APPEARANCE	Transparent liquid	*Conforms*
COLOR	Yellow to brown	*Conforms*
ODOR	Fine, delicate aroma, peppery, green, slightly woody notes.	*Conforms*
SOLUBILITY	Soluble in alcohol and fixed oils	
SPECIAL USE INSTRUCTIONS	Dilute before use. Refrigerate to preserve freshness.	

PRIMARY CONSTITUENTS	Alpha-Pinene, Beta-Phellandrene, Osthol.

CONTENT OF ESSENTIAL OIL	20-35 %	30.7 %

QUANTITATIVE ANALYSIS OF THE EXTRACT:	**Range %**	**%**		**RELATIVE COMPOSITION OF THE ESSENTIAL OIL:**	**Range %**	**%**
ANGELICIN	*na*	0.07		ALPHA-PINENE	*na*	10.7
BERGAPTENE	<1.5	0.78		ALPHA-PHELLANDRENE	*na*	12.9
OSTHOL	>5	16.9		BETA-PHELLANDRENE	*na*	10.8
METHOXSALENE	*na*	0.30		TRIDECANOLIDE	*na*	1.4
FALCARINOL	*na*	0.13		CYCLOPENTADECANOLIDE	*na*	2.1
FALCARINDIOL	*na*	0.71		OSTHOL	*na*	4.1
TRIDECANOLIDE	*na*	0.39		12-OXABICYCLO[9.1.0]-DODECA-3,7 DIENE	*na*	0.37

CYCLOPENTADECANOLIDE	*na*	0.68				
** EU Allergen*						
COMMENTS	Odor quality is excellent. Caution: photosensitizing					

This CO2 Extract 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: 10.22.18
Document updated: 09.26.24