



CERTIFICATE of ANALYSIS (COA)

COMMON NAME	Elemi
LATIN NAME	<i>Canarium luzonicum</i>
COUNTRY OF ORIGIN	The Philippines
CULTIVATION METHOD	Wild Grown
TYPE	Essential Oil
EXTRACTION METHOD	Steam Distilled
PLANT PART	Resin
USE	Aromatherapy, Natural Perfumery

SKU	285
LOT #	15
MANUFACTURING DATE	March 2021
RETEST	March 2024

	SPECIFICATIONS (Range)	
SPECIFIC GRAVITY @20°C	0.85 - 0.91	0.8684
REFRACTIVE INDEX @20°C	1.472 - 1.490	1.4797
OPTICAL ROTATION @20°C	+44° to +85°	+63.65°

PHYSICAL APPEARANCE	Transparent liquid	Conforms
COLOR	Colorless to pale yellow	Conforms
ODOR	Fresh, lemony, peppery, balsamic, reminiscent of Frankincense	Conforms
SOLUBILITY	Soluble in alcohol and fixed oils	
SPECIAL USE INSTRUCTIONS	Dilute before use	

PRIMARY CONSTITUENTS	Limonene, Alpha-Phellandrene, Elemol.
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COMPONENTS	% RANGE	%	COMPONENTS	% RANGE	%
LIMONENE*	40-72	54.81	ALPHA-COPAENE	na	0.14
ALPHA-PHELLANDRENE	7-24	12.27	CIS-P-MENTH-3-EN-7-AL	na	0.08
ELEMOL	1-25	10.58	TRANS-P-MENTH-3-EN-7-AL	na	0.12
ELEMICIN	0.5-8	4.25	BETA-ELEMENE	na	0.10
SABINENE	3-8	3.22	BETA-CARYOPHYLLENE	na	0.20
ALPHA-TERPINEOL	0.4-3	2.35	TERPINENE-4-OL	na	0.41
ALPHA-PINENE	na	0.31	ALPHA-HUMULENE	na	0.12
ALPHA-THUYENE	na	0.09	GERMACRENE D	na	0.14
BETA-PINENE	na	0.20	CARVONE	na	0.05
DELTA3-CARENE	na	0.05	DELTA-CADINENE	na	0.07
BETA-MYRCENE ⁶⁵	na	0.52	TRANS-SABINOL	na	0.22
ALPHA-TERPINENE	na	0.59	TRANS-CARVEOL	na	0.07
1,8-CINEOLE + BETA-PHELLANDRENE	na	2.03	P-CYMENE-8-OL	na	0.13
CIS-BETA-OCIMENE	na	0.22	METHYLEUGENOL ⁶⁵	na	0.29
GAMMA-TERPINENE	na	0.31	GUAIOL	na	0.19
TRANS-BETA-OCIMENE	na	0.19	10-EPI-GAMMA-EUDESOL	na	0.08

P-CYMENE	<i>na</i>	1.48		GAMMA-EUDESOL	<i>na</i>	0.87
TERPINOLENE	<i>na</i>	1.13		2-ACETYLCYCLOPENTANONE	<i>na</i>	0.06
ALPHA-P-DIMETHYLSTYRENE	<i>na</i>	0.06		CARVACROL	<i>na</i>	0.05
BETA-EUDESOL	<i>na</i>	0.34		ALPHA-EUDESOL	<i>na</i>	0.32
<i>* EU Allergen ⁶⁵=Prop 65</i>						

COMMENTS	Odor quality is excellent.
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This Essential Oil is a 100% pure and natural product and 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: 05.07.18

Document updated: 10.06.21