

BIORUŽA, s. r. o.

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CERTIFICATE of ANALYSIS (COA)

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

SKU	285
LOT #	17
MANUFACTURING DATE	February 2023
BEST BY DATE	February 2026

	SPECIFICATIONS (Range)	
SPECIFIC GRAVITY @20°C	0.85 - 0.91	0.8694
REFRACTIVE INDEX @20°C	1.472 - 1.490	1.4804
OPTICAL ROTATION @20°C	+44° to +85°	+70.47°

PHYSICAL APPEARANCE	Transparent liquid	<i>Conforms</i>
COLOR	Colorless to pale yellow	<i>Conforms</i>
ODOR	Fresh, lemony, peppery, balsamic, reminiscent of Frankincense.	<i>Conforms</i>
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 *	<i>na</i>	39,93	ALPHA EUDESMOL	<i>na</i>	0,15
ALPHA PHELLANDRENE	<i>na</i>	23,26	BETA ELEMENE	<i>na</i>	0,12
ELEMOL	<i>na</i>	11,70	ALPHA COPAENE	<i>na</i>	0,11
SABINENE	<i>na</i>	6,66	ALPHA HUMULENE	<i>na</i>	0,10
ELEMICINE	<i>na</i>	3,47	GERMACRENE D	<i>na</i>	0,10
TERPINOLENE	<i>na</i>	2,17	PIPERITONE	<i>na</i>	0,09
BETA PHELLANDRENE	<i>na</i>	2,12	GAMMA EUDESMOL	<i>na</i>	0,08
ALPHA TERPINEOL	<i>na</i>	1,50	CAMPHOR	<i>na</i>	0,07
PARACYMENE	<i>na</i>	1,37	CARVEOL 1/2	<i>na</i>	0,06
BETA MYRCENE ⁶⁵	<i>na</i>	0,86	CARVEOL 2/2	<i>na</i>	0,06
ALPHA PINENE	<i>na</i>	0,76	ALPHA MUUROLENE	<i>na</i>	0,06
ALPHA TERPINENE	<i>na</i>	0,45	DELTA 3 CARENE	<i>na</i>	0,04
BETA PINENE	<i>na</i>	0,33	TRANS-P-MENTHA-2,8-DIENOL	<i>na</i>	0,04
METHYL EUGENOL ⁶⁵	<i>na</i>	0,28	CARVONE	<i>na</i>	0,04
TRANS BETA OCIMENE	<i>na</i>	0,26	ALPHA CUBEBENE	<i>na</i>	0,04
TRANS SABINENE HYDRATE	<i>na</i>	0,25	DELTA CADINENE	<i>na</i>	0,04

ALPHA THUJENE	<i>na</i>	0,24		BULNESOL	<i>na</i>	0,04
BETA EUDESMOL	<i>na</i>	0,20		CAMPHENE	<i>na</i>	0,03
GUAJOL	<i>na</i>	0,19		CIS-2-MENTHENOL	<i>na</i>	0,03
EUCALYPTOL	<i>na</i>	0,18		CARVACROL	<i>na</i>	0,03
GAMMA TERPINENE	<i>na</i>	0,18		DELTA ELEMENE	<i>na</i>	0,03
PARACYMENOL	<i>na</i>	0,18		TOLUENE ⁶⁵	<i>na</i>	0,02
4 TERPINENOL	<i>na</i>	0,18		DEHYDROPARACYMENE	<i>na</i>	0,02
BETA CARYOPHYLLENE	<i>na</i>	0,17		CRYPTONE	<i>na</i>	0,02
CRYPTOMERIDIOL	<i>na</i>	0,16		ETHYL ALCOHOL	<i>na</i>	0,01

* EU Allergen ⁶⁵=Prop 65

COMMENTS	Odor quality is excellent.
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