



CERTIFICATE of ANALYSIS (COA)

COMMON NAME	Citronella - Organic
LATIN NAME	<i>Cymbopogon winterianus</i>
COUNTRY OF ORIGIN	Indonesia - Java
CULTIVATION METHOD	Certified Organic (USDA, NOP)
TYPE	Essential Oil
EXTRACTION METHOD	Steam Distilled
PLANT PART	Leaves
USE	Aromatherapy, Natural Perfumery.

SKU	226
LOT #	14
MANUFACTURING DATE	November 2024
BEST BY DATE	November 2027

	SPECIFICATIONS (Range)	
SPECIFIC GRAVITY @20°C	0.880-0.895	0.8860
REFRACTIVE INDEX @20°C	1.465-1.485	1.4694
OPTICAL ROTATION @20°C	-5° to +2°	-1.958°

PHYSICAL APPEARANCE	Clear liquid	Conforms
COLOR	Pale to light yellow	Conforms
ODOR	Sweet, fresh, lemony with grassy/green undertone.	Conforms
SOLUBILITY	Soluble in alcohol and fixed oils	
SPECIAL USE INSTRUCTIONS	Dilute before use	

PRIMARY CONSTITUENTS	Citronellal, Geraniol, Citronellol.
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COMPONENTS	Range %	%	COMPONENTS	Range %	%
CITRONELLAL	26-45	35.42	LINALOOL *	na	0.91
GERANIOL *	16-30	23.64	ISOPULEGOL	na	0.21
CITRONELLOL *	7-18	10.35	CARYOPHYLLENE BETA	na	1.21
LIMONENE *	na	3.06	HUMULENE ALPHA	na	0.07
GERANYL ACETATE	0-8	2.45	TERPINEOL ALPHA	na	n/a
ELEMOL	na	2.39	PINENE ALPHA	na	0.14
GERMACRENE D	na	1.38	MYRCENE BETA ⁶⁵	na	0.11
CITRONELLYL ACETATE	na	2.06	OCIMENE BETA CIS	na	0.30
ELEMENE BETA	na	1.58	TERPINOLENE	na	n/a
GERANIAL + NERAL (CITRAL) *	na	1.23	EUGENOL *	na	0.68
TAU-MUROLOL	na	0.17	CADINENE DELTA	na	1.47

* EU Allergen ⁶⁵= Prop 65

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.

Eden Botanicals

www.edenbotanicals.com

info@edenbotanicals.com

T: 1-707-509-0041 / F: 1-707-949-2526

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