CERTIFICATE of ANALYSIS (COA)

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

SKU	226
LOT #	11
MANUFACTURING DATE	April 2022
BEST BY DATE	April 2025

	SPECIFICATIONS (Range)	
SPECIFIC GRAVITY @20˚C	0.880-0.895	0.885
REFRACTIVE INDEX @20˚C	1.465-1.485	1.4691
OPTICAL ROTATION @20˚C	-5˚ to +2˚	-2.502°

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.

COMPONENTS	**Range %**	**%**		**COMPONENTS**	**Range %**	**%**
CITRONELLAL	26-45	38.8		LINALOOL*	*na*	0.75
GERANIOL*	16-30	21.05		ISOPULEGOL	*na*	0.13
CITRONELLOL*	7-18	10.33		CARYOPHYLLENE BETA	*na*	0.44
LIMONENE*	*na*	3.52		HUMULENE ALPHA	*na*	0.21
GERANYL ACETATE	0-8	3.04		TERPINEOL ALPHA	*na*	0.1
ELEMOL	*na*	2.29		PINENE ALPHA	*na*	0.1
GERMACRENE D	*na*	2.04		MYRCENE BETA[65]	*na*	0.08
CITRONELLYL ACETATE	*na*	1.92		OCIMENE BETA CIS	*na*	0.37
ELEMENE BETA	*na*	1.5		TERPINOLENE	*na*	0.07
GERANIAL + NERAL (CITRAL)*	*na*	1.44		EUGENOL*	*na*	0.27
TAU-MUROLOL	*na*	0.74				
** EU Allergen [65]= Prop 65*						

COMMENTS	Odor quality is excellent.

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: 10.16.18
Document updated: 07.11.23