



CERTIFICATE of ANALYSIS (COA)

COMMON NAME	Petitgrain Mandarin - Organic
LATIN NAME	<i>Citrus reticulata</i> Blanco
COUNTRY OF ORIGIN	Egypt
CULTIVATION METHOD	Certified Organic (USDA, NOP)
TYPE	Essential Oil
EXTRACTION METHOD	Steam Distilled
PLANT PART	Leaves/Twigs
USE	Aromatherapy, Natural Perfumery

SKU	809
LOT #	10
MANUFACTURING DATE	February 2020
BEST BY DATE	February 2022

	SPECIFICATIONS (Range)	
SPECIFIC GRAVITY @20°C	0.934 – 1.044	0.993
REFRACTIVE INDEX @20°C	1.498 – 1.547	1.5263
OPTICAL ROTATION @20°C	+2° to +13°	na

PHYSICAL APPEARANCE	Liquid	Conforms
COLOR	Amber-yellow	Conforms
ODOR	Intensely sweet, rich, deep fruity, grape-like, floral odor, with smoky mustiness.	Conforms
SOLUBILITY	Soluble in alcohol and fixed oils	
SPECIAL USE INSTRUCTIONS	Dilute before use. Refrigerate to preserve freshness.	

PRIMARY CONSTITUENTS	Methyl-N-Methylantranilate, Gamma-Terpinene, Limonene
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COMPONENTS	% RANGE	%		COMPONENTS	% RANGE	%
METHYL-N-METHYL ANTHRANILATE	40-60	49		TERPINOLENE	na	0.88
GAMMA-TERPINENE	20-27	25.73		LINALOOL *	na	0.28
LIMONENE *	na	10.01		BETA-CARYOPHYLLENE	na	0.07
THUJENE	na	1.25		TERPINEN-4-OL	na	0.07
ALPHA-PINENE	1-3	3.08		ALPHA-TERPINEOL	na	0.05
SABINENE	na	0.43		THYMOL	na	0.15
BETA-PINENE	1-3	2.74		ALPHA-HUMULENE	na	0.25
MYRCENE ⁶⁵	na	0.74		BETA-OCIMENE (Z)	na	0.21
PARA-CYMENE	na	3.4		BETA-OCIMENE (E)	na	0.46

* EU Allergen ⁶⁵=Prop 65

COMMENTS	Odor quality is excellent.
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This Essential Oil 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.

Eden Botanicals

www.edenbotanicals.com

info@edenbotanicals.com

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

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