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Certificate of Analysis

COMMON NAME	Petitgrain
LATIN NAME	<i>Citrus aurantium var. bergamia</i>
COUNTRY OF ORIGIN	Egypt
EXTRACTION METHOD	Steam Distilled
PLANT PART	Leaves / Twigs
USE	Aromatherapy, Natural Perfumery
BATCH	20196
MANUFACTURED	May 2018
BEST BY	May 2020

SPECIFICATIONS (Range)

SPECIFIC GRAVITY @20°C 0.885 – 0.898	0.884
REFRACTIVE INDEX @20°C 1.455 – 1.472	1.460
OPTICAL ROTATION @20°C -6° to +2°	

PHYSICAL APPEARANCE Transparent liquid *Conforms*

COLOR Pale yellow *Conforms*

ODOR Distinct fresh, slightly bitter orange *Conforms*

SOLUBILITY Soluble in alcohol and fixed oils

PRIMARY CONSTITUENTS Linalool, Linalyl Acetate, Limonene

COMPONENTS Range % COMPONENTS Range %

ALPHA-PINENE	0.16	LINALOOL	27.25
BETA-PINENE	0.7	ALPHA-TERPINEOL	1
MYRCENE	1.45	LINALYL ACETATE	44.5
DELTA-3-CARENE	2.34	GERANIOL	1.82
LIMONENE	6.03	NERYL ACETATE	3.28
BETA-OCIMENE (Z)	0.84	GERANYL ACETATE	1.13
BETA-OCIMENE (E)	2.58	CARYOPHYLLENE OXIDE	0.34

Retest Date July 2020