

BIORUŽA, s. r. o.

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CERTIFICATE of ANALYSIS (COA)

COMMON NAME	Tagetes
LATIN NAME	<i>Tagetes minuta</i> var. <i>bipinata</i>
COUNTRY OF ORIGIN	South Africa
CULTIVATION METHOD	Conventional
TYPE	Essential Oil
EXTRACTION METHOD	Steam Distilled
PLANT PART	Flowers
USE	Aromatherapy, Natural Perfumery, Medicine, Cosmetics

SKU	4219
LOT #	112
MANUFACTURING DATE	March 2025
BEST BY DATE	March 2028

	SPECIFICATIONS (Range)	
SPECIFIC GRAVITY @20°C	0.850 - 0.889	0.8739
REFRACTIVE INDEX @20°C	1.479 - 1.503	1.4861
OPTICAL ROTATION @20°C	na	+5.90°

PHYSICAL APPEARANCE	Transparent liquid	<i>Conforms</i>
COLOR	Reddish orange	<i>Conforms</i>
ODOR	Strong, warm, sweet-herbaceous, distinctive ketonic (pungent) aroma	<i>Conforms</i>
SOLUBILITY	Soluble in alcohol and fixed oils	
SPECIAL USE INSTRUCTIONS	Dilute before use	

PRIMARY CONSTITUENTS	Cis-Beta-Ocimene, Dihydrotagetone, Limonene.
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COMPONENTS	Range %	%	COMPONENTS	Range %	%
DIHYDROTAGETONE	na	30.21	3,5-HEPTADIENE-2-ONE, 6-METHYL-	na	0.05
CIS-BETA-OCIMENE	na	28.86	BETA-CARYOPHYLLENE	na	0.73
Z-TAGETONE	na	16.38	TERPINENE-4-OL	na	0.13
LIMONENE*	na	4.49	CITRONELLYL FORMIATE	na	0.09
Z-TAGETENONE	na	4.48	ISOVALERIANIC ACID	na	0.08
E-TAGETENONE	na	2.12	ALPHA-HUMULENE	na	0.35
E-TAGETONE	na	1.45	KETON COMPOUND	na	0.05
BETA-PINENE	na	0.16	BORNEOL	na	0.07
SABINENE	na	0.44	GERMACRENE D	na	0.16
BETA-MYRCENE ⁶⁵	na	0.09	GERANIAL*	na	0.03
ALPHA-PINENE	na	0.05	BICYCLOGERMACRENE	na	0.34
1,8-CINEOLE	na	0.18	CROTONIC ACID	na	0.07
TRANS-BETA-OCIMENE	na	0.42	3,5,7-OCTATRIENE-2-OL, Z,Z-2,6-DIMETHYL-	na	0.09
P-CYMENE	na	0.05	3,5,7-OCTATRIENE-2-OL, E,E-2,6-DIMETHYL-	na	0.16
OCTANAL	na	0.09	ISOPIPERITENONE	na	0.24

METHOXY HEXADIENIC COMPOUND	<i>na</i>	0.54	DEHYDROELSHOLTZIA KETONE	<i>na</i>	0.06
ALLO-OCIMENE	<i>na</i>	0.82	CARYOPHYLLENE OXIDE	<i>na</i>	0.19
ROSEFURAN	<i>na</i>	0.10	DEHYDROMEVALONIC LACTONE	<i>na</i>	0.05
AROMATIC KETONE	<i>na</i>	0.34	CAPRYLIC ACID	<i>na</i>	0.06
SILPHIPERFOL-7-ENE	<i>na</i>	0.14	SPATHULENOL	<i>na</i>	0.16
MYROXYDE	<i>na</i>	0.19	PENTADECANONE,TRIMETHYL-	<i>na</i>	0.06
OCTYL ACETATE	<i>na</i>	0.03	1-OCTANOL	<i>na</i>	0.06
LINALOOL*	<i>na</i>	0.14			

* *EU Allergen* ⁶⁵ = *Prop 65*

COMMENTS	Odor quality is excellent. 100% natural essential oil, no synthetic additives or other oils
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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 BIORUŽA s.r.o.. This product is guaranteed by BIORUŽA s.r.o to be of excellent quality.

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