BIORUŽA, s. r. o.

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CERTIFICATE of ANALYSIS (COA)

COMMON NAME	Mandarin, Yellow
LATIN NAME	*Citrus reticulata* var. Blanco
COUNTRY OF ORIGIN	Italy
CULTIVATION METHOD	Conventional
TYPE	Essential Oil
EXTRACTION METHOD	Cold pressed
PLANT PART	Peels
USE	Aromatherapy, Natural Perfumery

LOT #	18
MANUFACTURING DATE	November 2025
BEST BY DATE	November 2027

	SPECIFICATIONS (Range)	
SPECIFIC GRAVITY @20˚C	0.8450 – 0.8550	0.8495
REFRACTIVE INDEX @20˚C	1.473 – 1.478	1.4735
OPTICAL ROTATION @20˚C	+65° to 75°	+75.84°

PHYSICAL APPEARANCE	Liquid. May be prone to turbidity due to naturally occurring waxes.	*Conforms*
COLOR	Yellow to yellow-orange	*Conforms*
ODOR	Light, tart, zesty and refreshing citrus aroma with lemony, tangy-sweet top notes.	*Conforms*
SOLUBILITY	Soluble in alcohol and fixed oils	
SPECIAL USE INSTRUCTIONS	Dilute before use. Refrigerate to preserve freshness. This product is filtered by our manufacturer. Further filtration is only necessary if waxes present an aesthetic issue for your formulation.	

PRIMARY CONSTITUENTS	Limonene, Gamma-Terpinene, Alpha-Pinene.