

BIORUŽA, s. r. o.

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CERTIFICATE of ANALYSIS (COA)

COMMON NAME	Beeswax Absolute
LATIN NAME	<i>Cera alba</i>
COUNTRY OF ORIGIN	Bulgaria
CULTIVATION METHOD	Bee-made, not applicable.
TYPE	Absolute
EXTRACTION METHOD	Solvent Extracted (Ethanol)
PLANT PART	Honeycomb wax from Bees (<i>Apis mellifera</i> L.)
USE	Natural Perfumery

SKU	115
LOT #	20
MANUFACTURING DATE	November 2020
RETEST	November 2025

	SPECIFICATIONS (Range)	
SPECIFIC GRAVITY @20°C	0.860 – 0.880	0.8629
REFRACTIVE INDEX @20°C	1.410 – 1.420	1.4137
OPTICAL ROTATION @20°C	<i>na</i>	<i>na</i>

PHYSICAL APPEARANCE	Semi solid paste	<i>Conforms</i>
COLOR	Amber to brown in color	<i>Conforms</i>
ODOR	Sweet, warm, with honey and pollen notes.	<i>Conforms</i>
SOLUBILITY	Soluble in alcohol and fixed oils	
SPECIAL USE INSTRUCTIONS	Dilute before use	

PRIMARY CONSTITUENTS	Ethyl Palmitate, Ethyl Oleate.	
RESIDUAL SOLVENT (HETANOL)	0-2 %	0.31 %

COMPONENTS	Range %	%	COMPONENTS	Range %	%
ETHYL PALMITATE	<i>na</i>	33.24	C19	<i>na</i>	0.85
ETHYL OLEATE	<i>na</i>	30.12	ETHYL MYRISTATE	<i>na</i>	0.80
ETHYL LINOLENATE	<i>na</i>	12.16	C21	<i>na</i>	0.62
ETHYL LINOLEATE	<i>na</i>	6.97	ETHYL 9-HEXADECENOATE	<i>na</i>	0.60
ETHYL STEARATE	<i>na</i>	3.82			

* EU Allergen

COMMENTS	Odor quality is excellent.
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