

# BIORUŽA, s. r. o.

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## CERTIFICATE OF ANALYSIS (COA)

<b>Product Name</b>	<b>ORGANIC YARROW BLUE ESSENTIAL OIL</b>
<b>Botanical Name</b>	Achillea millefolium
<b>Product Code</b>	LOT № E 016/2023
<b>CAS #</b>	8022-07-9 ; 84082-83-7
<b>FEMA #</b>	3117
<b>EINECS #</b>	282-030-6
<b>INCI Name</b>	Achillea Millefolium (Blue Yarrow) Oil

<b>Batch #</b>	LOT № E 016/2023
<b>Manufacturing Date</b>	JULE 2023
<b>Best Before Date</b>	JULE 2025

<b>Part Used</b>	Flowering tops, whole plant stem
<b>Extraction Method</b>	Steam Distilled Essential Oil
<b>Quality</b>	100% Pure and Natural
<b>Note Classification</b>	Top to Middle Note

<b><u>PROPERTIES</u></b>	<b><u>SPECIFICATIONS</u></b>	<b><u>RESULTS</u></b>
<b>Appearance</b>	Bluish green to deep blue colored liquid	CONFORMS
<b>Odour</b>	Sweet, slightly camphoraceous, fresh, green-herbaceous aroma	CONFORMS
<b>Refractive Index</b>	1.480 - 1.500 @ 20°C	1.491
<b>Specific Gravity (g/mL)</b>	0.880 - 0.940 @ 20°C	0.918
<b>Solubility</b>	Soluble in alcohols and fixed oils; Insoluble in water	CONFORMS

<b>Comments</b>	Odour quality is excellent
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<b><u>MICROBIAL ANALYSIS</u></b>	<b><u>SPECIFICATIONS</u></b>	<b><u>STANDARDS</u></b>	<b><u>RESULTS</u></b>
<b>Aerobic Mesophilic Bacterial Count</b>	< 100 CFU/g	ISO 21149	CONFORMS
<b>Yeast and Mould</b>	< 10 CFU/g	ISO 16212	CONFORMS
<b>Candida albicans</b>	ABSENT / 1g	ISO 18416	CONFORMS
<b>Escherichia coli</b>	ABSENT / 1g	ISO 21150	CONFORMS
<b>Pseudomonas aeruginosa</b>	ABSENT / 1g	ISO 22717	CONFORMS
<b>Staphylococcus aureus</b>	ABSENT / 1g	ISO 22718	CONFORMS

<b><u>HEAVY METAL TESTS</u></b>	<b><u>SPECIFICATIONS</u></b>	<b><u>STANDARDS</u></b>	<b><u>RESULTS</u></b>
<b>Lead: Pb (mg/kg or ppm)</b>	< 10 ppm	na	CONFORMS
<b>Arsenic: As (mg/kg or ppm)</b>	< 2 ppm	na	CONFORMS
<b>Mercury: Hg (mg/kg or ppm)</b>	< 1 ppm	na	CONFORMS

**STABILITY AND STORAGE:**

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Store in a tightly closed container in a cool and dry place, protected from sunlight. If stored for more than 36 months, the quality should be checked before use, and/or additional quality analyzes should be done.