



Certificate of Analysis

ACHILLEA MILLEFOLIUM (BLUE YARROW) OIL

Product code : BLPEO1165-2.5 | 1165-5 | 1165-10
 Sample designation : Yarrow Essential Oil
 Botanical name : Achillea millefolium
 CAS# : 8022-07-9 ; 84082-83-7
 FEMA# : 3117
 EINECS# : 282-030-6
 Lot number : 11652205
 Geographic origin : Bulgaria
 Type of culture : Organic
 Part of the plant used : Leaves and twigs
 Extraction method : Steam distillation
 Manufacturing date : May 2022
 Re-test date : April 2025



ORG/SC/2202/001041

Sensory Check

Feature	Reference	Result
Appearance:	Bluish green to deep blue colored liquid	meets
Fragrance:	Sweet, slightly camphoraceous, fresh, green-herbaceous aroma	meets
Color:	Bluish green to deep blue	meets
Note classification:	Top to Middle Note	

Analytical Check

Properties	Specifications	Results
Refractive index	1.480 - 1.500 @ 20°C	1.492
Specific gravity (g/mL)	0.880 - 0.940 @ 20°C	0.919
Optical Rotation (°)	-	Conforms
Solubility	Soluble in alcohols and fixed oils Insoluble in water	Conforms
Allergens	Limonene CAS No. 5989-27-5 Linalool CAS.No. 78-70-6 Farnesol CAS No. 4602-84-0	4.0% 1.0% 0.1%

Microbial Analyses	Specifications	Standard	Results
Aerobic Mesophilic Bacterial Count	< 100 CFU/g	ISO 21149	Conforms
Yeast and Mould	< 10 CFU/g	ISO 16212	Conforms
Candida albicans	ABSENT / 1g	ISO 18416	Conforms
Escherichia coli	ABSENT / 1g	ISO 21150	Conforms
Pseudomonas aeruginosa	ABSENT / 1g	ISO 22717	Conforms
Staphylococcus aureus	ABSENT / 1g	ISO 12718	Conforms

Heavy Metal Test	Specifications	Standards	Results
Lead: Pb (mg/kg or ppm)	< 10 ppm	n/a	Conforms
Arsenic: As (mg/kg or ppm)	< 2 ppm	n/a	Conforms
Mercury: Hg (mg/kg or ppm)	< 1 ppm	n/a	Conforms

Stability and Storage

Keep in tightly closed containers in a cool and dry place, protected from sunlight. When stored for more than 24 months, quality should be checked before use.

As this is electronically generated document, hence no signature required.

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