



Certificate of Analysis

PELARGONIUM GRAVEOLENS FLOWER OIL

Product code	: BLDPA-012
Sample designation	: Geranium Roseum Essential Oil
Botanical name	: Pelargonium graveolens azoricum
CAS#	: 8000-46-2
FEMA#	: 2508
EINECS#	: 290-140-0
Lot number	: 007PG010
Geographic origin	: Azores - Portugal
Type of culture	: Organic
Part of the plant used	: Flowers
Extraction method	: Steam distillation
Manufacturing date	: September 2022
Re-test date	: August 2025



ECOCERT PT-BIO-0

Sensory Check

Feature	Reference	Result
Appearance:	Colorless to pale yellow liquid	meets
Fragrance:	Sweet, fruity, rose, slightly citrusy aroma	meets
Color:	Colorless to pale yellow	meets
Note classification:	Top Note	

Analytical Check

Properties	Specifications	Results
Refractive index	1.455 - 1.475 @ 20°C	1.463
Specific gravity (g/mL)	0.860 - 0.905 @ 20°C	0.889
Optical Rotation (°)	-17° to -7°	Conforms
Solubility	Soluble in alcohols and fixed oils Insoluble in water	Conforms
Allergens	Citral CAS No. Linalool CAS No. 78-70-6 Geraniol CAS No. 106-24-1 Citronellol CAS No. 106-22-9	0,42% 4,60% 9,98% 27,84%

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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