



Certificate of Analysis

OCIMUM BASILICUM LEAVE EXTRACT

Product code	: BLPEO1012
Sample designation	: Basil Sweet Essential Oil
Botanical name	: Ocimum basilicum
CAS#	: 8015-73-4 ; 84775-71-3
FEMA#	: 2119
EINECS#	: 283-900-8
Lot number	: 10122108
Geographic origin	: India
Type of culture	: Organic
Part of the plant used	: Leaves and Tops
Extraction method	: Steam distillation
Manufacturing date	: August 2021
Re-test date	: July 2024



ORG/SC/2202/001041

Sensory Check

Feature	Reference	Result
Appearance:	Pale yellow to amber yellow colored liquid	meets
Fragrance:	Penetrating, herbal, green, fresh, sweet- herbaceous aroma	meets
Color:	Pale yellow to amber yellow	meets
Note classification:	Top to Middle Note	

Analytical Check

Properties	Specifications	Results
Refractive index	1.470 - 1.495 @ 20°C	1.482
Specific gravity (g/mL)	0.885 - 0.920 @ 20°C	0.903
Optical Rotation (°)	-15° to -5°	Conforms
Solubility	Soluble in alcohols and fixed oils Insoluble in water	Conforms
Allergens	Linalool CAS No. 78-70-6 Eugenol CAS No. 97-53-0 Limonene CAS No. 5989-27-5 Citronellol CAS No. 106-22-9 Geraniol CAS No. 106-24-1	62.0% 15.0% 1.0% 0.3%, 0.2%

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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