



## Certificate of Analysis

### LEPTOSPERMUM SCOPARIUM BRANCH/LEAF OIL

Product code	: BLPEO1189
Sample designation	: Manuka Essential Oil
Botanical name	: Leptospermum scoparium
CAS#	: 223749-44-8
FEMA#	: -
EINECS#	: 425-630-7
Lot number	: 11892201
Geographic origin	: New Zealand (East Cape)
Type of culture	: Organic, Ethically sourced
Part of the plant used	: Leaves and twigs
Extraction method	: Steam distillation
Manufacturing date	: January 2022
Re-test date	: December 2024



ORG/SC/2202/001041

#### Sensory Check

Feature	Reference	Result
Appearance:	Clear to pale yellow colored liquid	meets
Fragrance:	Fresh, diffusive, warm, terpenic, faintly herbaceous aroma	meets
Color:	Clear to pale yellow	meets
Note classification:	Top to Middle Note	

#### Analytical Check

Properties	Specifications	Results
Refractive index	1.496 - 1.506 @ 20°C	1.499
Specific gravity (g/mL)	0.950 - 0.987 @ 20°C	0.975
Optical Rotation (°)	-45° to -15°	Conforms
Solubility	Soluble in alcohols and fixed oils Insoluble in water	Conforms

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.**

**Disclaimer & Caution:** Please refer to all relevant technical information specific to the product, prior to use. The information contained in this document is obtained from current and reliable sources. j'Olíe et Co Aromatherapy provides the information contained herein, but makes no representation as to its comprehensiveness or accuracy. Individuals receiving this information must exercise their independent judgment in determining its appropriateness for a particular purpose. The user of the product is solely responsible for compliance with all laws and regulations applying to the use of the product, including intellectual property rights of third parties. As the ordinary or otherwise use(s) of this product is outside the control of j'olie et Co Aromatherapy, no representation or warranty - expressed or implied - is made as to the effect(s) of such use(s), (including damage or injury), or the results obtained. The liability of j'Olíe et Co Aromatherapy is limited to the value of the goods and does not include any consequential loss. j'Olíe et Co Aromatherapy shall not be liable for any errors or delays in the content, or for any actions taken in reliance thereon. j'Olíe et Co Aromatherapy shall not be responsible for any damages resulting from the use of or reliance upon this information.