



CERTIFICATE OF ANALYSIS (COA)

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PRODUCT INFORMATION

Item	Details
Product Name	Manuka Oil
Botanical Name	<i>Leptospermum scoparium</i> J.R.Forst. & G.Forst.
INCI Name	Leptospermum Scoparium Branch/Leaf Oil
CAS Number	23749-44-8
EC Number	434-370-3
Botanical Family	Myrtaceae
Plant Part	Aerial leaves and twigs
Extraction Method	Steam Distillation
Country of Origin	New Zealand
Product Type	100% Natural Essential Oil
Batch Number	Representative Specification
Issue Date	21 July 2026
Recommended Retest Period	24 Months

PHYSICAL AND ORGANOLEPTIC ANALYSIS

Parameter	Specification	Representative Result
Appearance	Clear, mobile liquid	Complies
Colour	Pale yellow to yellow-brown	Complies
Odour	Characteristic, herbal, woody, medicinal and earthy	Complies
Relative Density at 20°C	0.954–0.984	0.970
Refractive Index at	1.492–1.512	1.503



20°C

Optical Rotation at 20°C	-45.0° to -15.0°	-23.6°
Solubility in Water	Insoluble	Complies
Solubility in Alcohol	Soluble	Complies

The representative density, refractive-index and optical-rotation specifications are based on a published New Zealand Manuka Oil batch certificate.

REPRESENTATIVE CHEMICAL PROFILE

Manuka Oil is a natural complex substance whose composition varies considerably according to geographical region and chemotype.

Constituent Group	Representative Status
Leptospermone	Naturally occurring
Isoleptospermone	Naturally occurring
Flavesone	Naturally occurring
Total β -Triketones	Batch and chemotype dependent
Sesquiterpene Hydrocarbons	Naturally occurring
α -Pinene	May be present
Linalool	May be present at low level
Limonene	May be present at low level

New Zealand Manuka oils may occur as triketone-rich, monoterpene-rich or sesquiterpene-rich chemotypes. East Cape oils may contain total β -triketones exceeding 20%, while oils from other regions may contain considerably lower levels.

QUALITY PARAMETERS

Test	Representative Result
Botanical Identification	Conforms
Organoleptic Identification	Conforms
GC-MS Identification	Conforms to representative Manuka Oil profile
Purity	100% Natural Essential Oil
Added Carrier Oil	None detected
Added Synthetic Fragrance	None detected
Added Solvent	None detected
Foreign Matter	None detected



Adulteration

None detected

STORAGE

Store in tightly closed, preferably full containers in a cool, dry and well-ventilated location.

Protect from:

- Direct sunlight.
- Excessive heat.
- Moisture.
- Air exposure.
- Strong oxidising agents.

CONCLUSION

REPRESENTATIVE RESULT: COMPLIES

This Certificate of Analysis contains representative specifications and is not a substitute for laboratory analysis of a specific production batch.

Natural variation may occur due to:

- Harvest region.
- Season.
- Plant maturity.
- Chemotype.
- Distillation conditions.
- Storage history.

The original producer's batch-specific Certificate of Analysis and GC-MS report shall always take precedence.

Authorised by:

Fozia Khot

Director