

Specification Sheet

Product: **Kānuka Oil**

(*Kunzea ericoides*)

Product Code: KANU

Example Batch No.: K200916

Origin & Physical Properties¹

Country of Origin	New Zealand
Harvest Region	New Zealand
Plant Part Used	Aerial Leaf & twig
Extraction Method	Steam Distillation
Viscosity ²	Mobile Liquid
Colour	Clear
Odour	Characteristic & Pleasant
Flash Point (°C)	> 35 (35 - 40)
Refractive Index @20°C (Typical)	1.4755 (1.473 - 1.476)
Optical Rotation @ 20°C (Typical)	+23.5 (+21 - +26)
Specific Gravity @ 20°C (Typical)	0.890 (0.875 - 0.900)
Moisture Content (Visual)	No visible water @ 20°C
CAS No.	Not Assigned
Shelf Life ³	6 Years Bulk

¹Typical ranges for New Zealand *Kānuka Oil*.

²Viscosity is temperature dependent.

³6 Years if unopened and stored under optimum storage conditions (sealed, away from direct sunlight and in cool). Longer is subject to retesting.

Kānuka Oil Specification

Key Compounds For **Kānuka Oil**

(% Area by GC-FID/MS, as tested by independent accredited lab SCPS⁴)

Chemical Compounds	Specification ⁵ (%)	Example Batch No. K200916 (%)
α-pinene	53 - 69	56.54
β-pinene	0.2 - 1.0	0.66
limonene	1.1 - 1.8	1.44
p-cymene	0.5 - 5.0	2.40
1,8-cineole (Eucalyptol)	3.2 - 6.8	5.98
γ-terpinene	0.1 - 6.5	1.76
linalool	0.1 - 3.5	2.05
α-terpineol	0.6 - 1.7	1.34
α-copaene	0.1 - 0.8	0.52
aromadendrene	0.1 - 1.5	0.84
α-humeulene	0.1 - 1.5	0.77
ledene	0.1 - 2.0	0.92
cis-calamenene	1.0 - 4.0	2.55
ledol	0.2 - 1.0	0.62
viridiflorol	0.7 - 6.0	1.33
leptospermone (<i>β</i> -Triketone)	0.3 - 1.3	0.85

⁴Southern Cross Plant Science; Analytical Research Laboratory Australia.

⁵Specification Standard for *Kānuka Oil* by Mānuka Biologicals Ltd.

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