

Specification Sheet

Product: Mānuka Oil [MβTK 25+]

(Leptospermum scoparium)

Product Code: 25MB

Example Batch No.: M28111725



Origin & Physical Properties¹

Country of Origin	New Zealand
Harvest Region	East Cape New Zealand
Plant Part Used	Aerial Leaf & twig
Extraction Method	Steam Distillation
Viscosity²	Mobile Semi Viscous Liquid
Colour³	Clear
Odour	Characteristic & Woody
Flash Point	> 94 °C
Refractive Index (Typical)	1.503 (1.499 - 1.505)
Specific Gravity @ 20°C (Typical)	0.970 (0.959 - 0.985)
Moisture Content (Visual)	No visible water @ 20°C
CAS No.	[223749-44-8]
Shelf Life⁴	4 Years Bulk

¹Typical ranges for New Zealand Mānuka Oil [MβTK 25+] Grade.

²Viscosity is temperature dependent.

³Faint seasonal green to yellow translucent variations can be observed.

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

Manuka Oil Specification⁵

Key Compounds For Manuka Oil [MβTK 25+]

(% Area by GC-FID/MS, as tested by independent accredited lab SCPS⁶)

Chemical Compounds	Specification ⁷ (%)	Example Batch No. M28111725 (%)
α-pinene	< 2.0	1.28
cis-calamenene	9.0 - 16	12.3
flavosone (<i>β-Triketone</i>)	3.5 - 7.0	5.15
isoleptospermone (<i>β-Triketone</i>)	3.5 - 7.0	4.83
leptospermone (<i>β-Triketone</i>)	12 - 20	16.4
grandiflorone (<i>β-Triketone</i>)	0.1 - 1.0	0.16
MβTK™ (<i>Total β-triketones</i>) ⁷	≥ 25	26.5

⁵Not less than 25% MβTK actives.

⁶Southern Cross Plant Science; Analytical Research Laboratory Australia.

⁷Guaranteed Specification Standard for Mānuka Oil [MβTK 25+] by New Zealand Manuka Bioactives Ltd.

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