

## TECHNICAL DATA SHEET

Sr. No. : RM0107-V-02

Printed Date 30/01/2017

Item Code : RM0107

Date : 17/06/2013

Item Name : MANUKA OIL

Version : 02

CAS # 223749-44-8

EINECS # N/A

Botanical Name Leptospermum scoparium

Product Description Pale yellow clear slightly viscous liquid with characteristic acre & woody odour

Origin Tha volatile oil obtained by steam distillation of the leaves and terminal branches of Leptospermum scoparium

### PHYSICO-CHEMICAL PROPERTIES :

Appearance Pale yellow clear liquid

Physical Status

Flash Point (Closed cup) °C 98.6°C

Refractive Index 1.496 - 1.506 @20°C

Relative Density 0.920 - 0.990 @20°C

Optical Rotation N/A

Solubility in Alcohol 1:6 in 90% ethanol

Solubility in Water Insoluble

Main Components by GLC

Total beta-Triketone: 25.0-30.0%	iso-Ledene: 4.0-8.0%
Calamenene: 7.0-11.0%	Cadina-1,4-diene: 3.0-7.0%
alpha Copaene: 2.0-6.0%	alpha Selinene: 2.0-6.0%
beta Selinene: 2.0-6.0%	delta Cadiene: 2.0-6.0%
beta Caryophyllene: 1.0-4.0%	alpha Pinene: 0.5-3.0%

Shelf Life 12 months under proper storage conditions

Legislation Natural

Stability Avoid strong acids strong bases and all oxidising agents.

Uses Aromatherapy & Skin care

**HANDLING PRECAUTION** Handle in adequate ventilation, avoid skin and eye contact, use goggles or face shield and wear protective clothing

**PACKING & STORAGE** Should be stored in a cool, dry well ventilated places in fully tight sealed containers protected from light. Containers should be kept away from light and source of ignition.

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