

TECHNICAL DATA SHEET (TDS)

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|----------------|------------------------------------|
| Product Name | KANUKA ESSENTIAL OIL |
| Botanical Name | Kunzea ericoides |
| CAS # | - |
| EINECS # | - |
| INCI Name | Kunzea Ericoides (Kanuka) Leaf Oil |

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|---------------------|-------------------------------|
| Part Used | Leaves and Twigs |
| Extraction Method | Steam Distilled Essential Oil |
| Quality | 100% Pure and Natural |
| Note Classification | Top to Middle Note |

| <u>PROPERTIES</u> | <u>SPECIFICATIONS</u> |
|-------------------------|--------------------------------------------------------|
| Appearance | Clear to pale yellow colored liquid |
| Odour | Fresh, herbaceous, sweet, earthy aroma |
| Refractive Index | 1.468 - 1.478 @ 20°C |
| Specific Gravity (g/mL) | 0.870 - 0.895 @ 20°C |
| Optical Rotation (°) | +15° to +45° |
| Solubility | Soluble in alcohols and fixed oils; Insoluble in water |

| <u>MICROBIAL ANALYSIS</u> | <u>SPECIFICATIONS</u> | <u>STANDARDS</u> | <u>RESULTS</u> |
|------------------------------------|-----------------------|------------------|----------------|
| 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 22718 | CONFORMS |

| <u>HEAVY METAL TESTS</u> | <u>SPECIFICATIONS</u> | <u>STANDARDS</u> | <u>RESULTS</u> |
|----------------------------|-----------------------|------------------|----------------|
| Lead: Pb (mg/kg or ppm) | < 10 ppm | na | CONFORMS |
| Arsenic: As (mg/kg or ppm) | < 2 ppm | na | CONFORMS |
| Mercury: Hg (mg/kg or ppm) | < 1 ppm | na | CONFORMS |

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