

CERTIFICATE OF ANALYSIS (COA)

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| Product Name | BLUE CYPRESS ESSENTIAL OIL |
| Botanical Name | Callitris columellaris (synonym Callitris intratropica) |
| CAS # | 187348-13-6 |
| INCI Name | Callitris Intratropica Wood Oil |

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|----------------------------|-------------------------------|
| Part Used | Wood and Bark |
| Extraction Method | Steam Distilled Essential Oil |
| Quality | 100% Pure and Natural |
| Note Classification | Middle to Top Note, Fixative |

| <u>PROPERTIES</u> | <u>SPECIFICATIONS</u> | <u>RESULTS</u> |
|--------------------------------|--|-----------------------|
| Appearance | Cobalt blue to inky blue colored liquid | CONFORMS |
| Odour | Sweet, fresh, fruity, mildly licorice-like, balsamic aroma | CONFORMS |
| Refractive Index | 1.480 - 1.510 @ 20°C | 1.495 |
| Specific Gravity (g/mL) | 0.940 - 0.984 @ 20°C | 0.968 |
| Optical Rotation (°) | -11° to +17° | CONFORMS |
| Solubility | Soluble in alcohols and fixed oils; Insoluble in water | CONFORMS |

| <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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