



Certificate of Analysis

1) Product Identification

Product Name: Palmarosa Essential Oil
 Botanical Name: Cymbopogon martinii
 Country of Origin: Australia
 Cultivation Method: Organic
 Extraction Method: Steam Distilled
 Plant Part: Leaves
 Lot #: 1
 Best by Date: February 2020

2) Physical and Chemical Properties

Appearance:	Clear light yellow liquid	Conforms
Odor:	Characteristic	Conforms
Specific Gravity:	0.879 to 0.893 @ 20°C	Conforms
Refractive Index:	1.470 to 1.480 @ 20°C	Conforms
Optical Rotation:	3.0° to -2.0° @ 25°C	Conforms
Solubility:	Soluble in alcohol and oils. Insoluble in water.	Conforms

3) Gas Chromatography Analysis (Typical)

Components:

Caryophyllene	1.2%	Germacrene A	Trace
Caryophyllene oxide	0.2%	Humulene	0.1%
Cymene	Trace	Limonene	0.3%
Elemene	0.1%	Linalool	0.9%
Farnesol	1.9%	Methyl-5-hepten-2-one	Trace
Farnesyl acetate	0.1%	Myrcene	0.2%
Geranial	0.2%	Neral	0.1%
Geraniol	82.2%	Nerol	0.1%
Geranyl acetate	10.1%	Nerolidol	0.1%
Geranyl butyrate	0.1%	Nonanal	Trace
Geranyl formate	Trace	Ocimene	1.3%

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4) Storage Conditions

Store at temperature <math><30^{\circ}\text{C}</math> in closed containers and protected from direct sunlight.

5) Remarks

This Essential Oil is a 100% pure and natural product.
It does not contain any artificial ingredients or adulteration of any kind to the best of our knowledge.

6) Disclaimer

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