



## Certificate of Analysis

### 1) Product Identification

Product Name: Mandarin Essential Oil  
Botanical Name: Citrus reticulata  
Country of Origin: Australia  
Cultivation Method: Conventional  
Extraction Method: Cold Pressed  
Plant Part: Fruit Peel  
Lot #: 3  
Best by Date: October 2021

### 2) Physical and Chemical Properties

Appearance:	Clear, golden yellow to red orange mobile liquid	Conforms
Odor:	Characteristic	Conforms
Specific Gravity:	0.840 to 0.880 @ 20°C	Conforms
Refractive Index:	1.465 to 1.482 @ 20°C	Conforms
Optical Rotation:	65° to 100° @ 20°C	Conforms
Solubility:	Soluble in alcohol and oils. Insoluble in water.	Conforms

### 3) Gas Chromatography Analysis (Typical)

#### Components:

alpha-Pinene	0.43%	Nonanal	0.02%
Sabinene	0.34%	Linalool	0.17%
Myrcene + Octanal	1.81%	Citronellal	0.04%
alpha-Phellandrene	0.05%	alpha-Terpineol	0.03%
Limonene	95.37%	Decanal	0.18%
Octanol	0.03%	Neral	0.05%

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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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