



CERTIFICATE OF ANALYSIS

Product : **Green Mandarin Essential Oil**

Properties	Specifications	Results
Appearance	: Limpid Liquid, Brown to Green	Complies
Odor	: Characteristic sweet citrusy odor.	Complies
Solubility	: Soluble in alcohol and oils. Insoluble in water.	Complies
Specific Gravity	: 0.8420 to 0.8550 @ 20°C	0.8514
Refractive Index	: 1.4700 to 1.4780 @ 20°C	1.4745
Optical Rotation	: +64° to +77° @ 20°C	72.32
Limonene	: 65-78	72.30
gamma terpinene	: 10-22	18.11
Alpha-pinene	: 1.0- 3.0 %	1.49

Storage: Store in air tight containers; in a cool dry area; away from direct sunlight.

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