

CERTIFICATE OF ANALYSIS

Product: Cinnamon Bark (CO₂) Essential Oil
 Lot No.: 11236-A18, B18, C18, D18
 Best Before: June, 2016
 Store in air tight container; in a cool dry area; away from direct sunlight.

<u>Properties</u>	<u>Specifications</u>	<u>Results</u>
Appearance:	Clear dark yellow to brown liquid.	Complies
Odor:	Characteristic cinnamon odor.	Complies
Solubility:	Soluble in alcohol and oils. Insoluble in water.	Complies
Moisture:	≤ 0.5%	Complies
Specific Gravity:	1.0450 - 1.0630 @ 25°C	1.0479
Optical Rotation:	-1.0 - +1.0 @ 25°C	-0.89°
Refractive Index:	1.580 - 1.614 @ 20°C	1.5956
Cinnamaldehyde:	65 - 85%	75.7%

Disclaimer & Caution

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CERTIFICATE OF ANALYSIS

Product: Cinnamon Bark (CO₂) Essential Oil
 Lot No.: 11236-A17
 Best Before: August, 2015
 Store in air tight container; in a cool dry area; away from direct sunlight.

<u>Properties</u>	<u>Specifications</u>	<u>Results</u>
Appearance:	Clear dark yellow to brown liquid.	Complies
Odor:	Characteristic cinnamon odor.	Complies
Solubility:	Soluble in alcohol and oils. Insoluble in water.	Complies
Moisture:	≤ 0.5%	Complies
Specific Gravity:	1.010 - 1.040 @ 25°C	1.0136
Optical Rotation:	-3.0 - +1.0 @ 25°C	0°
Refractive Index:	1.570 - 1.600 @ 20°C	1.5774
Cinnamaldehyde:	65 - 85%	73.2%

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