

CERTIFICATE OF ANALYSIS

Product: Calamus Root Essential Oil

Lot No.: 11016A171

Best Before: September, 2021

Store in an air tight container; in a cool dry area; away from direct sunlight.

<u>Properties</u>	<u>Specifications</u>	<u>Results</u>
Appearance:	Yellow to yellowish-brown slightly viscous liquid.	Complies
Odor:	Characteristic odor.	Complies
Solubility:	Insoluble in water.	Complies
Specific Gravity:	1.0350 to 1.1050 @ 25°C	Complies
Optical Rotation:	0° to +1.0° @ 25°C	Complies
Refractive Index:	1.543 to 1.552 @ 25°C	Complies
β-Asarone:	84 - 88 %	Complies

Disclaimer & Caution

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CERTIFICATE OF ANALYSIS

Product: Calamus Root Essential Oil

Lot No.: 11016 - A17

Best Before: September, 2020

Store in an air tight container; in a cool dry area; away from direct sunlight.

<u>Properties</u>	<u>Specifications</u>	<u>Results</u>
Appearance:	Yellow to yellowish-brown slightly viscous liquid.	Complies
Odor:	Characteristic odor.	Complies
Solubility:	Insoluble in water.	Complies
Specific Gravity:	1.0350 to 1.1050 @ 25°C	1.0781
Optical Rotation:	0° to +1.0° @ 25°C	0.14°
Refractive Index:	1.543 to 1.552 @ 25°C	1.5508
β-Asarone:	84 - 88 %	85.5

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CERTIFICATE OF ANALYSIS

Product: Calamus Root Essential Oil

Lot No.: 11016 - A16-1,B16-1

Best Before: June, 2020

Store in an air tight container; in a cool dry area; away from direct sunlight.

<u>Properties</u>	<u>Specifications</u>	<u>Results</u>
Appearance:	Yellow to yellowish-brown slightly viscous liquid.	Complies
Odor:	Characteristic odor.	Complies
Solubility:	Insoluble in water.	Complies
Specific Gravity:	1.0350 to 1.1050 @ 25°C	1.085
Optical Rotation:	0° to +1.0° @ 25°C	Complies
Refractive Index:	1.543 to 1.552 @ 25°C	Complies
β-Asarone:	84 - 88 %	Complies

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