

CERTIFICATE OF ANALYSIS

Product: Spruce Hemlock Essential Oil

Lot No.: 11135A10620

Best Before: June, 2022

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:	Colorless to pale yellow liquid.	Complies
Odor:	Characteristic fresh, balsamic sweet fruity odor.	Complies
Solubility:	Soluble in alcohol and oils. Insoluble in water.	Complies
Specific Gravity:	0.8800 to 0.9200 @ 25°C	0.8940
Optical Rotation:	-23.0° to -11.0° @ 25°C	Complies
Refractive Index:	1.4580 to 1.4882 @ 20°C	1.4720
L-Bornyl Acetate:	15 - 35 %	16.48

Disclaimer & Caution

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CERTIFICATE OF ANALYSIS

Product: Spruce Hemlock Essential Oil

Lot No.: 11135A105191

Best Before: May, 2022

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:	Colorless to pale yellow liquid.	Complies
Odor:	Characteristic fresh, balsamic sweet fruity odor.	Complies
Solubility:	Soluble in alcohol and oils. Insoluble in water.	Complies
Specific Gravity:	0.8800 to 0.9200 @ 25°C	Complies
Optical Rotation:	-23.0° to -11.0° @ 25°C	Complies
Refractive Index:	1.4580 to 1.4882 @ 20°C	Complies
L-Bornyl Acetate:	15 - 35 %	Complies

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CERTIFICATE OF ANALYSIS

Product: Spruce Hemlock Essential Oil
Lot No.: 11135A11219
Best Before: December, 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:	Colorless to pale yellow liquid.	Complies
Odor:	Characteristic fresh, balsamic sweet fruity odor.	Complies
Solubility:	Soluble in alcohol and oils. Insoluble in water.	Complies
Specific Gravity:	0.8800 to 0.9200 @ 25°C	0.8920
Optical Rotation:	-23.0° to -11.0° @ 25°C	Complies
Refractive Index:	1.4580 to 1.4882 @ 20°C	1.4716
L-Bornyl Acetate:	15 - 35 %	15.71

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CERTIFICATE OF ANALYSIS

Product: Spruce Hemlock Essential Oil

Lot No.: 11135A10519

Best Before: May, 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:	Colorless to pale yellow liquid.	Complies
Odor:	Characteristic fresh, balsamic sweet fruity odor.	Complies
Solubility:	Soluble in alcohol and oils. Insoluble in water.	Complies
Specific Gravity:	0.8800 to 0.9200 @ 25°C	0.8920
Optical Rotation:	-23.0° to -11.0° @ 25°C	Complies
Refractive Index:	1.4580 to 1.4882 @ 20°C	1.4723
L-Bornyl Acetate:	15 - 35 %	15.21

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CERTIFICATE OF ANALYSIS

Product: Spruce Hemlock Essential Oil

Lot No.: 11135A202

Best Before: May, 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:	Colorless to pale yellow liquid.	Complies
Odor:	Characteristic fresh, balsamic sweet fruity odor.	Complies
Solubility:	Soluble in alcohol and oils. Insoluble in water.	Complies
Specific Gravity:	0.8800 to 0.9200 @ 25°C	Complies
Optical Rotation:	-23.0° to -11.0° @ 25°C	Complies
Refractive Index:	1.4580 to 1.4882 @ 20°C	Complies
L-Bornyl Acetate:	15 - 35 %	Complies

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CERTIFICATE OF ANALYSIS

Product: Spruce Hemlock Essential Oil
Lot No.: 11135A201
Best Before: January, 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:	Colorless to pale yellow liquid.	Complies
Odor:	Characteristic fresh, balsamic sweet fruity odor.	Complies
Solubility:	Soluble in alcohol and oils. Insoluble in water.	Complies
Specific Gravity:	0.8800 to 0.9200 @ 25°C	0.899
Optical Rotation:	-23.0° to -11.0° @ 25°C	Complies
Refractive Index:	1.4580 to 1.4882 @ 20°C	1.4721
L-Bornyl Acetate:	15 - 35 %	Complies

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CERTIFICATE OF ANALYSIS

Product: Spruce Hemlock Essential Oil
Lot No.: 11135 - A19-1,B19-1
Best Before: November, 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:	Colorless to pale yellow liquid.	Complies
Odor:	Characteristic fresh, balsamic sweet fruity odor.	Complies
Solubility:	Soluble in alcohol and oils. Insoluble in water.	Complies
Specific Gravity:	0.8800 to 0.9200 @ 25°C	0.890
Optical Rotation:	-23.0° to -11.0° @ 25°C	-15.75°
Refractive Index:	1.4580 to 1.4882 @ 20°C	1.4723
L-Bornyl Acetate:	15 - 35 %	Complies

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CERTIFICATE OF ANALYSIS

Product: Spruce Hemlock Essential Oil
Lot No.: 11135 - A18-1
Best Before: November, 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:	Colorless to pale yellow liquid.	Complies
Odor:	Characteristic fresh, balsamic sweet fruity odor.	Complies
Solubility:	Soluble in alcohol and oils. Insoluble in water.	Complies
Specific Gravity:	0.8800 to 0.9200 @ 25°C	Complies
Optical Rotation:	-23.0° to -11.0° @ 25°C	Complies
Refractive Index:	1.4580 to 1.4882 @ 20°C	1.4725
L-Bornyl Acetate:	15 - 35 %	Complies

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