

CERTIFICATE OF ANALYSIS

Product: Pine Organic Essential Oil
 Lot No.: 50030A10620
 Best Before: March, 2025

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 pine odor.	Complies
Solubility:	Insoluble in water.	Complies
Specific Gravity:	0.8582 - 0.8709 @ 20°C	0.865
Refractive Index:	1.4720 - 1.4751 @ 20°C	1.4732
Optical Rotation:	-20.5° to -27.0°	-20.64°
α -pinene:	-----	42.15%
Camphene:	-----	3.22
β -pinene:	-----	25.33%
β -Myrcene:	-----	4.6 %
Limonene:	-----	7.81 %
β -phellandrene:	-----	2.03 %

Disclaimer & Caution

Please refer to all relevant technical information specific to the product, prior to use. The information contained in this document is obtained from current and reliable sources. New Directions Aromatics Inc. provides the information contained herein, but makes no representation as to its comprehensiveness or accuracy. Individuals receiving this information must exercise their independent judgment in determining its appropriateness for a particular purpose. The user of the product is solely responsible for compliance with all laws and regulations applying to the use of the products, including intellectual property rights of third parties. As the ordinary or otherwise use(s) of this product is outside the control of New Directions Aromatics Inc., no representation or warranty, expressed or implied, is made as to the effect(s) of such use(s), (including damage or injury), or the results obtained. The liability of New Directions Aromatics Inc. is limited to the value of the goods and does not include any consequential loss. New Directions Aromatics Inc. shall not be liable for any errors or delays in the content, or for any actions taken in reliance thereon. New Directions Aromatics Inc. shall not be responsible for any damages resulting from use of or reliance upon this information. In the event of any dispute, the Customer hereby agrees that Jurisdiction is limited to the province of Ontario.

CERTIFICATE OF ANALYSIS

Product: Pine Organic Essential Oil

Lot No.: 50030A10519

Best Before: October, 2023

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 pine odor.	Complies
Solubility:	Insoluble in water.	Complies
Specific Gravity:	0.8582 - 0.8709 @ 20°C	0.863
Refractive Index:	1.4720 - 1.4751 @ 20°C	1.4738
Optical Rotation:	-----	-19.9°
α -pinene:	-----	38.94%
Camphene:	-----	3.35
β -pinene:	-----	21.82%
β -Myrcene:	-----	6.35 %
Limonene:	-----	8.86 %
β -phellandrene:	-----	2.80 %

Disclaimer & Caution

Please refer to all relevant technical information specific to the product, prior to use. The information contained in this document is obtained from current and reliable sources. New Directions Aromatics Inc. provides the information contained herein, but makes no representation as to its comprehensiveness or accuracy. Individuals receiving this information must exercise their independent judgment in determining its appropriateness for a particular purpose. The user of the product is solely responsible for compliance with all laws and regulations applying to the use of the products, including intellectual property rights of third parties. As the ordinary or otherwise use(s) of this product is outside the control of New Directions Aromatics Inc., no representation or warranty, expressed or implied, is made as to the effect(s) of such use(s), (including damage or injury), or the results obtained. The liability of New Directions Aromatics Inc. is limited to the value of the goods and does not include any consequential loss. New Directions Aromatics Inc. shall not be liable for any errors or delays in the content, or for any actions taken in reliance thereon. New Directions Aromatics Inc. shall not be responsible for any damages resulting from use of or reliance upon this information. In the event of any dispute, the Customer hereby agrees that Jurisdiction is limited to the province of Ontario.

CERTIFICATE OF ANALYSIS

Product: Pine Organic Essential Oil

Lot No.: 50030-A15,B15,C15

Best Before: September, 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 pine odor.	Complies
Solubility:	Insoluble in water.	Complies
Specific Gravity:	0.850 - 0.993 @ 20°C	0.8640
Refractive Index:	1.465 - 1.479 @ 20°C	1.4743
Optical Rotation:	-----	-20.89°
α -pinene:	-----	45.20%
Camphene:	-----	3.54
β -pinene:	-----	22.60%
β -Myrcene:	-----	5.19 %
Limonene:	-----	9.31 %
β -phellandrene:	-----	2.22 %

Disclaimer & Caution

Please refer to all relevant technical information specific to the product, prior to use. The information contained in this document is obtained from current and reliable sources. New Directions Aromatics Inc. provides the information contained herein, but makes no representation as to its comprehensiveness or accuracy. Individuals receiving this information must exercise their independent judgment in determining its appropriateness for a particular purpose. The user of the product is solely responsible for compliance with all laws and regulations applying to the use of the products, including intellectual property rights of third parties. As the ordinary or otherwise use(s) of this product is outside the control of New Directions Aromatics Inc., no representation or warranty, expressed or implied, is made as to the effect(s) of such use(s), (including damage or injury), or the results obtained. The liability of New Directions Aromatics Inc. is limited to the value of the goods and does not include any consequential loss. New Directions Aromatics Inc. shall not be liable for any errors or delays in the content, or for any actions taken in reliance thereon. New Directions Aromatics Inc. shall not be responsible for any damages resulting from use of or reliance upon this information. In the event of any dispute, the Customer hereby agrees that Jurisdiction is limited to the province of Ontario.

CERTIFICATE OF ANALYSIS

Product: Pine Organic Essential Oil

Lot No.: 50030-A14

Best Before: September, 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 pine odor.	Complies
Solubility:	Insoluble in water.	Complies
Specific Gravity:	0.850 - 0.993 @ 20°C	0.8640
Refractive Index:	1.465 - 1.479 @ 20°C	1.4743
Optical Rotation:	-----	-20.89°
α -pinene:	-----	45.20%
Camphene:	-----	3.54
β -pinene:	-----	22.60%
β -Myrcene:	-----	5.19 %
Limonene:	-----	9.31 %
β -phellandrene:	-----	2.22 %

Disclaimer & Caution

Please refer to all relevant technical information specific to the product, prior to use. The information contained in this document is obtained from current and reliable sources. New Directions Aromatics Inc. provides the information contained herein, but makes no representation as to its comprehensiveness or accuracy. Individuals receiving this information must exercise their independent judgment in determining its appropriateness for a particular purpose. The user of the product is solely responsible for compliance with all laws and regulations applying to the use of the products, including intellectual property rights of third parties. As the ordinary or otherwise use(s) of this product is outside the control of New Directions Aromatics Inc., no representation or warranty, expressed or implied, is made as to the effect(s) of such use(s), (including damage or injury), or the results obtained. The liability of New Directions Aromatics Inc. is limited to the value of the goods and does not include any consequential loss. New Directions Aromatics Inc. shall not be liable for any errors or delays in the content, or for any actions taken in reliance thereon. New Directions Aromatics Inc. shall not be responsible for any damages resulting from use of or reliance upon this information. In the event of any dispute, the Customer hereby agrees that Jurisdiction is limited to the province of Ontario.

CERTIFICATE OF ANALYSIS

Product: Pine Organic Essential Oil

Lot No.: 50030-A13

Best Before: August, 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 pine odor.	Complies
Solubility:	Insoluble in water.	Complies
Specific Gravity:	0.850 - 0.993 @ 20°C	0.8638
Refractive Index:	1.465 - 1.479 @ 20°C	1.4741
Optical Rotation:	-----	-20.52°
α -pinene:	-----	42.80%
Camphene:	-----	3.38
β -pinene:	-----	24.94%
β -Myrcene:	-----	5.24 %
Limonene:	-----	9.48 %
β -phellandrene:	-----	2.38 %

Disclaimer & Caution

Please refer to all relevant technical information specific to the product, prior to use. The information contained in this document is obtained from current and reliable sources. New Directions Aromatics Inc. provides the information contained herein, but makes no representation as to its comprehensiveness or accuracy. Individuals receiving this information must exercise their independent judgment in determining its appropriateness for a particular purpose. The user of the product is solely responsible for compliance with all laws and regulations applying to the use of the products, including intellectual property rights of third parties. As the ordinary or otherwise use(s) of this product is outside the control of New Directions Aromatics Inc., no representation or warranty, expressed or implied, is made as to the effect(s) of such use(s), (including damage or injury), or the results obtained. The liability of New Directions Aromatics Inc. is limited to the value of the goods and does not include any consequential loss. New Directions Aromatics Inc. shall not be liable for any errors or delays in the content, or for any actions taken in reliance thereon. New Directions Aromatics Inc. shall not be responsible for any damages resulting from use of or reliance upon this information. In the event of any dispute, the Customer hereby agrees that Jurisdiction is limited to the province of Ontario.

CERTIFICATE OF ANALYSIS

Product: Pine Organic Essential Oil

Lot No.: 50030-A12

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:	Colorless to pale yellow liquid.	Complies
Odor:	Characteristic pine odor.	Complies
Solubility:	Insoluble in water.	Complies
Specific Gravity:	0.850 - 0.993 @ 20°C	0.863
Refractive Index:	1.465 - 1.479 @ 20°C	1.475
Optical Rotation:	-----	-20.81°
α -pinene:	-----	42.20%
Camphene:	-----	3.71%
β -pinene:	-----	24.77%
β -Myrcene:	-----	5.41 %
Limonene:	-----	9.34 %
β -phellandrene:	-----	2.43 %

Disclaimer & Caution

Please refer to all relevant technical information specific to the product, prior to use. The information contained in this document is obtained from current and reliable sources. New Directions Aromatics Inc. provides the information contained herein, but makes no representation as to its comprehensiveness or accuracy. Individuals receiving this information must exercise their independent judgment in determining its appropriateness for a particular purpose. The user of the product is solely responsible for compliance with all laws and regulations applying to the use of the products, including intellectual property rights of third parties. As the ordinary or otherwise use(s) of this product is outside the control of New Directions Aromatics Inc., no representation or warranty, expressed or implied, is made as to the effect(s) of such use(s), (including damage or injury), or the results obtained. The liability of New Directions Aromatics Inc. is limited to the value of the goods and does not include any consequential loss. New Directions Aromatics Inc. shall not be liable for any errors or delays in the content, or for any actions taken in reliance thereon. New Directions Aromatics Inc. shall not be responsible for any damages resulting from use of or reliance upon this information. In the event of any dispute, the Customer hereby agrees that Jurisdiction is limited to the province of Ontario.

CERTIFICATE OF ANALYSIS

Product: Pine Organic Essential Oil

Lot No.: 50030-A11

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:	Colorless to pale yellow liquid.	Complies
Odor:	Characteristic pine odor.	Complies
Solubility:	Insoluble in water.	Complies
Specific Gravity:	0.850 - 0.993 @ 20°C	0.864
Refractive Index:	1.465 - 1.479 @ 20°C	1.476
Optical Rotation:	-----	-20.32°
α-pinene:	-----	41.41 %
Camphene:	-----	4.10 %
β-pinene:	-----	24.67 %
β-Myrcene:	-----	5.47 %
Limonene:	-----	8.74 %
β-phellandrene:	-----	2.46 %

Disclaimer & Caution

Please refer to all relevant technical information specific to the product, prior to use. The information contained in this document is obtained from current and reliable sources. New Directions Aromatics Inc. provides the information contained herein, but makes no representation as to its comprehensiveness or accuracy. Individuals receiving this information must exercise their independent judgment in determining its appropriateness for a particular purpose. The user of the product is solely responsible for compliance with all laws and regulations applying to the use of the products, including intellectual property rights of third parties. As the ordinary or otherwise use(s) of this product is outside the control of New Directions Aromatics Inc., no representation or warranty, expressed or implied, is made as to the effect(s) of such use(s), (including damage or injury), or the results obtained. The liability of New Directions Aromatics Inc. is limited to the value of the goods and does not include any consequential loss. New Directions Aromatics Inc. shall not be liable for any errors or delays in the content, or for any actions taken in reliance thereon. New Directions Aromatics Inc. shall not be responsible for any damages resulting from use of or reliance upon this information. In the event of any dispute, the Customer hereby agrees that Jurisdiction is limited to the province of Ontario.

CERTIFICATE OF ANALYSIS

Product: Pine Organic Essential Oil

Lot No.: 50030-A10

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 pine odor.	Complies
Solubility:	Insoluble in water.	Complies
Specific Gravity:	0.850 - 0.993 @ 20°C	0.846
Refractive Index:	1.465 - 1.479 @ 20°C	1.4745
Optical Rotation:	-----	-21.14°
α-pinene:	-----	41.51 %
Camphene:	-----	3.70 %
β-pinene:	-----	23.20 %
β-Myrcene:	-----	5.60 %
Limonene:	-----	9.41 %
β-phellandrene:	-----	2.43 %

Disclaimer & Caution

Please refer to all relevant technical information specific to the product, prior to use. The information contained in this document is obtained from current and reliable sources. New Directions Aromatics Inc. provides the information contained herein, but makes no representation as to its comprehensiveness or accuracy. Individuals receiving this information must exercise their independent judgment in determining its appropriateness for a particular purpose. The user of the product is solely responsible for compliance with all laws and regulations applying to the use of the products, including intellectual property rights of third parties. As the ordinary or otherwise use(s) of this product is outside the control of New Directions Aromatics Inc., no representation or warranty, expressed or implied, is made as to the effect(s) of such use(s), (including damage or injury), or the results obtained. The liability of New Directions Aromatics Inc. is limited to the value of the goods and does not include any consequential loss. New Directions Aromatics Inc. shall not be liable for any errors or delays in the content, or for any actions taken in reliance thereon. New Directions Aromatics Inc. shall not be responsible for any damages resulting from use of or reliance upon this information. In the event of any dispute, the Customer hereby agrees that Jurisdiction is limited to the province of Ontario.