

**CERTIFICATE OF ANALYSIS**

Product: Pepper Black Essential Oil

Lot #: 1111A10320

Best Before: March, 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 bluish green mobile liquid.	Complies
Odor:	Characteristic aroma.	Complies
Solubility:	Insoluble in water.	Complies
Refractive Index:	1.479 to 1.488 @ 25°C	1.4806
Specific Gravity:	0.8640 to 0.8840 @ 25°C	0.8708
Optical Rotation:	-23.0° to -1.0°C @ 25°C	-11.97°
β-Caryophyllene:	25 – 30 %	28.7

**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: Pepper Black Essential Oil

Lot #: 11111A251

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 bluish green mobile liquid.	Complies
Odor:	Characteristic aroma.	Complies
Solubility:	Insoluble in water.	Complies
Refractive Index:	1.479 to 1.488 @ 25°C	1.4843
Specific Gravity:	0.8640 to 0.8840 @ 25°C	Complies
Optical Rotation:	-23.0° to -1.0°C @ 25°C	Complies
β-Caryophyllene:	25 – 30 %	Complies

**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: Pepper Black Essential Oil

Lot #: 1111A242

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 bluish green mobile liquid.	Complies
Odor:	Characteristic aroma.	Complies
Solubility:	Insoluble in water.	Complies
Refractive Index:	1.479 to 1.488 @ 25°C	Complies
Specific Gravity:	0.8640 to 0.8840 @ 25°C	Complies
Optical Rotation:	-23.0° to -1.0°C @ 25°C	Complies
β-Caryophyllene:	25 – 30 %	Complies

### 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: Pepper Black Essential Oil

Lot #: 11111-A25

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:	Colorless to bluish green mobile liquid.	Complies
Odor:	Characteristic aroma.	Complies
Solubility:	Insoluble in water.	Complies
Refractive Index:	1.479 to 1.488 @ 25°C	1.4812
Specific Gravity:	0.8640 to 0.8840 @ 25°C	0.8737
Optical Rotation:	-23.0° to -1.0°C @ 25°C	-12.45°
β-Caryophyllene:	25 – 30 %	29.1

**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: Pepper Black Essential Oil

Lot #: 1111-A24-1,B24-1

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:	Colorless to bluish green mobile liquid.	Complies
Odor:	Characteristic aroma.	Complies
Solubility:	Insoluble in water.	Complies
Refractive Index:	1.479 to 1.488 @ 25°C	1.4843
Specific Gravity:	0.8640 to 0.8840 @ 25°C	0.8770
Optical Rotation:	-23.0° to -1.0°C @ 25°C	-14.66°
β-Caryophyllene:	25 – 30 %	Complies

**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.