

CERTIFICATE OF ANALYSIS

Product: Lemon (Sicily) Essential Oil

Lot No.: 11081A11020

Best Before: October, 2022

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

<u>Properties</u>	<u>Specifications</u>	<u>Results</u>
Appearance:	Light yellow to dark green.	Complies
Odor:	Sweet fresh pleasant reminiscent of the ripe peel of the fruit.	Complies
Solubility:	Soluble in alcohol and oils. Insoluble in water.	Complies
Specific Gravity:	0.850 to 0.858 @ 20°C	0.853
Optical Rotation:	+57° to +66° @ 20°C	+61.9°
Refractive Index:	1.473 to 1.476 @ 20°C	1.474
Limonene:	60 - 68 %	65.7
β-Pinene:	10 - 16.5 %	13.4
γ Terpinene:	8 - 12 %	8.7
Neral:	0.6 - 1.2 %	1.0
Geranial:	0.8 - 2.0 %	1.9

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: Lemon (Sicily) Essential Oil

Lot No.: 11081A10520

Best Before: May, 2022

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

<u>Properties</u>	<u>Specifications</u>	<u>Results</u>
Appearance:	Light yellow to dark green.	Complies
Odor:	Sweet fresh pleasant reminiscent of the ripe peel of the fruit.	Complies
Solubility:	Soluble in alcohol and oils. Insoluble in water.	Complies
Specific Gravity:	0.850 to 0.858 @ 20°C	0.853
Optical Rotation:	+57° to +66° @ 20°C	+62.2°
Refractive Index:	1.473 to 1.476 @ 20°C	1.474
Limonene:	60 - 68 %	66.3
β-Pinene:	10 - 16.5 %	13.1
γ Terpinene:	8 - 12 %	8.6
Neral:	0.6 - 1.2 %	1.1
Geranial:	0.8 - 2.0 %	1.9

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: Lemon (Sicily) Essential Oil

Lot No.: 11081A10719

Best Before: July, 2021

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

<u>Properties</u>	<u>Specifications</u>	<u>Results</u>
Appearance:	Light yellow to dark green.	Complies
Odor:	Sweet fresh pleasant reminiscent of the ripe peel of the fruit.	Complies
Solubility:	Soluble in alcohol and oils. Insoluble in water.	Complies
Specific Gravity:	0.850 to 0.858 @ 20°C	0.852
Optical Rotation:	+57° to +66° @ 20°C	+63.0°
Refractive Index:	1.473 to 1.476 @ 20°C	1.474
Limonene:	60 - 68 %	67.1
β-Pinene:	10 - 16.5 %	13.3
γ Terpinene:	8 - 12 %	8.5
Neral:	0.6 - 1.2 %	1.1
Geranial:	0.8 - 2.0 %	1.6

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: Lemon (Sicily) Essential Oil

Lot No.: 11081B10619

Best Before: June, 2021

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

<u>Properties</u>	<u>Specifications</u>	<u>Results</u>
Appearance:	Light yellow to dark green.	Complies
Odor:	Sweet fresh pleasant reminiscent of the ripe peel of the fruit.	Complies
Solubility:	Soluble in alcohol and oils. Insoluble in water.	Complies
Specific Gravity:	0.850 to 0.858 @ 20°C	0.854
Optical Rotation:	+57° to +66° @ 20°C	+61.7°
Refractive Index:	1.473 to 1.476 @ 20°C	1.474
Limonene:	60 - 68 %	66.3
β-Pinene:	10 - 16.5 %	13.6
γ Terpinene:	8 - 12 %	8.5
Neral:	0.6 - 2.0 %	1.1
Geranial:	0.8 - 2.0 %	1.7

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: Lemon (Sicily) Essential Oil

Lot No.: 11081A10519

Best Before: May, 2021

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

<u>Properties</u>	<u>Specifications</u>	<u>Results</u>
Appearance:	Light yellow to dark green.	Complies
Odor:	Sweet fresh pleasant reminiscent of the ripe peel of the fruit.	Complies
Solubility:	Soluble in alcohol and oils. Insoluble in water.	Complies
Specific Gravity:	0.850 to 0.858 @ 20°C	0.853
Optical Rotation:	+57° to +66° @ 20°C	+62.8°
Refractive Index:	1.473 to 1.476 @ 20°C	1.474
Limonene:	60 - 68 %	66.7
β-Pinene:	10 - 16.5 %	13.4
γ Terpinene:	8 - 12 %	8.4
Neral:	0.6 - 1.2 %	1.1
Geranial:	0.8 - 2.0 %	1.7

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: Lemon (Sicily) Essential Oil

Lot No.: 11081A00119

Best Before: March, 2021

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

<u>Properties</u>	<u>Specifications</u>	<u>Results</u>
Appearance:	Light yellow to dark green.	Complies
Odor:	Sweet fresh pleasant reminiscent of the ripe peel of the fruit.	Complies
Solubility:	Soluble in alcohol and oils. Insoluble in water.	Complies
Specific Gravity:	0.850 to 0.858 @ 20°C	0.852
Optical Rotation:	+57° to +66° @ 20°C	Complies
Refractive Index:	1.473 to 1.476 @ 20°C	1.4743
Limonene:	60 - 68 %	Complies
β-Pinene:	10 - 16.5 %	Complies
γ Terpinene:	8 - 12 %	Complies
Neral:	0.6 - 2.0 %	Complies
Geranial:	0.8 - 2.0 %	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: Lemon (Sicily) Essential Oil
Lot No.: 11081A581, 11081B581, 11081C581, 11081D581
Best Before: June, 2021
Store in air tight container; in a cool dry area; away from direct sunlight.

<u>Properties</u>	<u>Specifications</u>	<u>Results</u>
Appearance:	Light yellow to dark green.	Complies
Odor:	Sweet fresh pleasant reminiscent of the ripe peel of the fruit.	Complies
Solubility:	Soluble in alcohol and oils. Insoluble in water.	Complies
Specific Gravity:	0.850 to 0.858 @ 20°C	0.852
Optical Rotation:	+57° to +66° @ 20°C	Complies
Refractive Index:	1.473 to 1.476 @ 20°C	1.4744
Limonene:	60 - 68 %	Complies
β-Pinene:	10 - 16.5 %	Complies
γ Terpinene:	8 - 12 %	Complies
Neral:	0.6 - 2.0 %	Complies
Geranial:	0.8 - 2.0 %	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: Lemon (Sicily) Essential Oil

Lot No.: 11081A571

Best Before: April, 2021

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

<u>Properties</u>	<u>Specifications</u>	<u>Results</u>
Appearance:	Light yellow to dark green.	Complies
Odor:	Sweet fresh pleasant reminiscent of the ripe peel of the fruit.	Complies
Solubility:	Soluble in alcohol and oils. Insoluble in water.	Complies
Specific Gravity:	0.850 to 0.855 @ 20°C	0.855
Optical Rotation:	+57° to +66° @ 20°C	Complies
Refractive Index:	1.473 to 1.476 @ 20°C	1.4742
Limonene:	60 - 68 %	Complies
β-Pinene:	10 - 16.50 %	Complies
γ Terpinene:	8 - 12 %	Complies
Neral:	0.6 - 2.0 %	Complies
Geranial:	0.8 - 2.0 %	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.