

CERTIFICATE OF ANALYSIS

Product: Lemon 5 Fold (Natural Blend) Essential Oil

Lot No.: 90006A108191

Best Before: August, 2022

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

<u>Properties</u>	<u>Specifications</u>	<u>Results</u>
Appearance:	Pale yellow to yellow liquid.	Complies
Odor:	Characteristic lemon rind odor.	Complies
Solubility:	Soluble in alcohol and oils. Insoluble in water.	Complies
Specific Gravity:	0.8700 to 0.8880 @ 15°C	Complies
Optical Rotation:	+34° to +50° @ 20°C	Complies
Refractive Index:	1.4700 to 1.4810 @ 20°C	Complies
Limonene:	64 - 67 %	Complies
Citral:	17 - 19 %	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.

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Product: Lemon 5 Fold (Natural Blend) Essential Oil
 Lot No.: 90006A106191
 Best Before: June, 2022

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

<u>Properties</u>	<u>Specifications</u>	<u>Results</u>
Appearance:	Pale yellow to yellow liquid.	Complies
Odor:	Characteristic lemon rind odor.	Complies
Solubility:	Soluble in alcohol and oils. Insoluble in water.	Complies
Specific Gravity:	0.8700 to 0.8880 @ 15°C	Complies
Optical Rotation:	+34° to +50° @ 20°C	Complies
Refractive Index:	1.4700 to 1.4810 @ 20°C	Complies
Limonene:	64 - 67 %	Complies
Citral:	17 - 19 %	Complies

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CERTIFICATE OF ANALYSIS

Product: Lemon 5 Fold (Natural Blend) Essential Oil

Lot No.: 90006A182

Best Before: December, 2021

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

<u>Properties</u>	<u>Specifications</u>	<u>Results</u>
Appearance:	Pale yellow to yellow liquid.	Complies
Odor:	Characteristic lemon rind odor.	Complies
Solubility:	Soluble in alcohol and oils. Insoluble in water.	Complies
Specific Gravity:	0.8700 to 0.8880 @ 15°C	Complies
Optical Rotation:	+34° to +50° @ 20°C	Complies
Refractive Index:	1.4700 to 1.4810 @ 20°C	Complies
Limonene:	64 - 67 %	Complies
Citral:	17 - 19 %	Complies

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CERTIFICATE OF ANALYSIS

Product: Lemon 5 Fold (Natural Blend) Essential Oil
 Lot No.: 90006B11019
 Best Before: October, 2021

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

<u>Properties</u>	<u>Specifications</u>	<u>Results</u>
Appearance:	Pale yellow to yellow liquid.	Complies
Odor:	Characteristic lemon rind odor.	Complies
Solubility:	Soluble in alcohol and oils. Insoluble in water.	Complies
Specific Gravity:	0.8700 to 0.8880 @ 15°C	0.8757
Optical Rotation:	+34° to +50° @ 20°C	39.40°
Refractive Index:	1.4700 to 1.4810 @ 20°C	1.4746
Limonene:	64 - 67 %	65.23
Citral:	17 - 19 %	18.05

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CERTIFICATE OF ANALYSIS

Product: Lemon 5 Fold (Natural Blend) Essential Oil

Lot No.: 90006A10819

Best Before: August, 2021

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

<u>Properties</u>	<u>Specifications</u>	<u>Results</u>
Appearance:	Pale yellow to yellow liquid.	Complies
Odor:	Characteristic lemon rind odor.	Complies
Solubility:	Soluble in alcohol and oils. Insoluble in water.	Complies
Specific Gravity:	0.8700 to 0.8880 @ 15°C	0.8761
Optical Rotation:	+34° to +50° @ 20°C	39.10°
Refractive Index:	1.4700 to 1.4810 @ 20°C	1.4755
Limonene:	64 - 67 %	66.02
Citral:	17 - 19 %	17.84

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CERTIFICATE OF ANALYSIS

Product: Lemon 5 Fold (Natural Blend) Essential Oil

Lot No.: 90006A10619

Best Before: June, 2021

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

<u>Properties</u>	<u>Specifications</u>	<u>Results</u>
Appearance:	Pale yellow to yellow liquid.	Complies
Odor:	Characteristic lemon rind odor.	Complies
Solubility:	Soluble in alcohol and oils. Insoluble in water.	Complies
Specific Gravity:	0.8700 to 0.8880 @ 15°C	0.8750
Optical Rotation:	+34° to +50° @ 20°C	38.91°
Refractive Index:	1.4700 to 1.4810 @ 20°C	1.4762
Limonene:	64 - 67 %	65.14
Citral:	17 - 19 %	18.01

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CERTIFICATE OF ANALYSIS

Product: Lemon 5 Fold (Natural Blend) Essential Oil

Lot No.: 90006A181

Best Before: June, 2021

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

<u>Properties</u>	<u>Specifications</u>	<u>Results</u>
Appearance:	Pale yellow to yellow liquid.	Complies
Odor:	Characteristic lemon rind odor.	Complies
Solubility:	Soluble in alcohol and oils. Insoluble in water.	Complies
Specific Gravity:	0.8700 to 0.8880 @ 15°C	Complies
Optical Rotation:	+34° to +50° @ 20°C	Complies
Refractive Index:	1.4700 to 1.4810 @ 20°C	Complies
Limonene:	64 - 67 %	Complies
Citral:	17 - 19 %	Complies

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CERTIFICATE OF ANALYSIS

Product: Lemon 5 Fold (Natural Blend) Essential Oil
 Lot No.: 90006 - A18
 Best Before: December, 2020

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

<u>Properties</u>	<u>Specifications</u>	<u>Results</u>
Appearance:	Pale yellow to yellow liquid.	Complies
Odor:	Characteristic lemon rind odor.	Complies
Solubility:	Soluble in alcohol and oils. Insoluble in water.	Complies
Specific Gravity:	0.8700 to 0.8880 @ 15°C	0.8772
Optical Rotation:	+34° to +50° @ 20°C	41.55
Refractive Index:	1.4700 to 1.4810 @ 20°C	1.4755
Limonene:	64 - 67 %	65.742
Citral:	17 - 19 %	18.20

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